

**U.S. Payload Operations Data File  
Contents Definition  
Increment 3, Flight 7A.1**

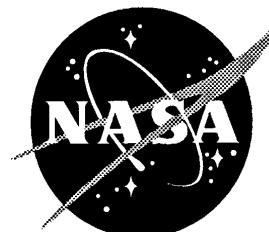
**International Space Station**

Payload Operations Data File

**July 2001**

**Baseline**

National Aeronautics and Space Administration  
International Space Station Program  
Marshall Space Flight Center  
Huntsville, Alabama  
Contract No. NAS8-50000 (DR OP13)



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**REVISION AND HISTORY PAGE**

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REV.	DESCRIPTION	PUB. DATE
Baseline	Baseline release per CCBD PB3-01-0228	—

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INTERNATIONAL SPACE STATION  
U.S. PAYLOAD OPERATIONS DATA FILE  
CONTENTS DEFINITION  
INCREMENT 3, FLIGHT 7A.1

BASELINE

JULY 2001

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## **ABSTRACT**

This document is under control of the U.S. Payload Operations Data File Control Board.  
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INTERNATIONAL SPACE STATION PROGRAM

U.S. PAYLOAD OPERATIONS DATA FILE  
CONTENTS DEFINITION  
INCREMENT 3, FLIGHT 7A.1

LIST OF CHANGES

JULY 2001

All changes to paragraphs, tables, and figures in this document are shown below:

CCBD #	ENTRY DATE	CHANGE	PARAGRAPH(S)
PB3-01-0028	7/27/01	Baseline	All

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## **SECTION 1, INTRODUCTION**

The U.S. Payload Operations Data File contains the procedures and reference information used by the onboard International Space Station crew to execute U.S. payload operations.

This document defines the contents of the U.S. Payload Operations Data File (USPODF) for Increment 3, Flight 7A.1, for U.S. Payload Operations on the International Space Station. This document shall be used in lieu of a Parts Tag when a Parts Tag is required.

Table 4-I, Summary Chart for Launch, shall be used as the shipping manifest for the U.S. PODF.

Table 5-I, Summary Chart for Descent, shall be used as the shipping manifest for return of the U.S. PODF to Marshall Space Flight Center.

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## **SECTION 2, DOCUMENTS**

### **2.1 APPLICABLE DOCUMENTS**

The documents and other material sources shown herein were used as a reference in the development of U.S. Payload Operations Data File Contents Definition, Increment 3, Flight 7A.1. The information contained in this volume does not in any way supersede the information in the source documentation.

RSOC86-0181C  
(JSC-19203)

Flight Data File Design and Materials  
Handbook

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### **SECTION 3, MATERIALS**

Materials used in production of the U.S. PODF are in compliance with Flight Data File Design and Materials Handbook, RSOC86-0181C (JSC-19203) and subsequent material approvals.

Materials used in the Increment 2, Flight 7A, U.S. PODF are:

VERBATIN Compact Disc, Recordable	P/N: 91224
AVERY Labels	P/N: 5824
20 lb. Bond Paper	P/N: Generic
Dry Process Black Toner	P/N: Generic
90 Index Paper	P/N: Generic (GSA Supplied)
SEAL Inc., Drymont Tissue	P/N: MT5
Steadler Lumocolor Pen	P/N: 318-9, 2, 3, or 5
Artist Board, 4-ply	P/N: GSA 9310-00-971-8404
Scotch Electrical Tape	P/N: No 5
FASSON Clear Acrylic	P/N: 824
VELCRO Hook	P/N: 191008
VELCRO Pile	P/N: 190959

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## SECTION 4, ASCENT CONTENTS TABLES

Table 4-I identifies the physical contents of the U.S. PODF. Tables 4-II through 4-IV identify the procedures sets contained on each CD. Tables 4-V and 4-VI identify the contents of each procedure set. The contents of the files listed in Tables 4-V and 4-VI are under control of the U.S. PODF Control Board, and have been approved by the U.S. PODF Control Board.

**TABLE 4-I SUMMARY CHART FOR LAUNCH**

NOMENCLATURE (PART NO.)	CONTENTS	QTY	SPEC REF
PODF SKG32999102-341	MPV UPDATE LOAD (CD) 7A.1 PODF PROCEDURES (1 OF 1)	1	HW
	STAND-ALONE MPV LOAD (CD) 7A BACK- UP PODF DISK 1 OF 2	1	HW
	MPV RE-LOAD (CD) 7A BACK-UP PODF DISK 2 OF 2	1	HW
	TV/PHOTO OPS PROCEDURE	1	BK
	CUE CARDS (TOTAL)  BSTC  DMTM  HRF PUFF  PDS  STCK	13  2  7  1  2  1	MISC

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TABLE 4-II MPV UPDATE LOAD (CD) SUMMARY LOAD CHART

LOAD	CONTENTS	COMMENTS COLUMN
MPV UPDATE LOAD (CD) 7A.1 PODF PROCEDURES (1 OF 1)	QUICK RESPONSE	
	STATUS CHECK	
	APCF -- ADVANCED PROTEIN CRYSTALLIZATION FACILITY	
	BSTC – BIOLOGICAL SPECIMEN TEMPERATURE CONTROLLER	
	BTR – BIOTECHNOLOGY REFRIGERATOR	
	DCPCG – DYNAMICALLY-CONTROLLED CRYSTALLIZATION APPARATUS FOR MICROGRAVITY	
	DMTM – DREAMTIME	
	EXPRESS – EXPEDITE THE PROCESSING OF EXPERIMENTS TO SPACE STATION RACK	
	HRF CSWR – COMMON SOFTWARE	
	HRF GASM – GAS ANALYZER-METABOLIC ANALYSIS -PHYSIOLOGY	
	HRF HREF – H-REFLEX	
	HRF NTXN – INTERACTIONS	
	HRF PUFF – PULMONARY IN-FLIGHT FUNCTIONAL	
	HRF RACK – HRF RACK ACTIVATION	
	HRF RNLS – RENAL STONE	
	HRF WORK – HRF WORKSTATION	
	MAMS – MICROGRAVITY ACCELERATION MEASUREMENT SYSTEM	
	PDS – PASSIVE DOSIMETER SYSTEM	
	TV OPS – TV PHOTO OPERATIONS	
	PROC SUPPORT	

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TABLE 4-III STAND-ALONE MPV LOAD (CD) LOAD CHART (Sheet 1 of 2)

LOAD	CONTENTS	COMMENTS COLUMN
STAND-ALONE MPV LOAD (CD) 7A.1	QUICK RESPONSE (SAFING)	
BACKUP PODF DISK 1 OF 2	DAILY STATUS CHECK MATRIX	
	ADVASC (ASC) – ADVANCED ASTROCULTURE	
	APCF – ADVANCED PROTEIN CRYSTALLIZATION FACILITY	
	ARIS – ACTIVE RACK ISOLATION SYSTEM	
	ARIS ICE – ACTIVE RACK ISOLATION SYSTEM INTERNATIONAL SPACE STATION CHARACTERIZATION EXPERIMENT	
	BSTC – BIOLOGICAL SPECIMEN TEMPERATURE CONTROLLER	
	BTR – BIOTECHNOLOGY REFRIGERATOR	
	CGBA – COMMERCIAL GENERIC BIOPROCESSING APPARATUS	
	CPCG – COMMERCIAL PROTEIN CRYSTAL GROWTH	
	DCPCG – DYNAMICALLY-CONTROLLED CRYSTALLIZATION APPARATUS FOR MICROGRAVITY	
	DMTM – DREAMTIME	
	EXPPCS – EXPERIMENT ON PHYSICS OF COLLOIDS IN SPACE	
	EXPRESS – EXPEDITE THE PROCESSING OF EXPERIMENTS TO SPACE STATION RACK	
	HRD BBND - BONNER BALL NEUTRON DETECTOR EXPERIMENT	
	HRF CSWR – COMMON SOFTWARE	
	HRF DOSMAP – DOSIMETERIC MAPPING	
	HRF GASMAP – GAS ANALYZER METABOLIC ANALYSIS PHYSIOLOGY	
	HRF H-REFLEX – HOFFMAN REFLEX EXPERIMENT	
	HRF NTXN – INTERACTIONS	

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	HRF PUFF – PULMONARY IN-FLIGHT FUNCTIONAL	
	HRF RACK – RACK ACTIVATION	
	HRF RADS – RADIATION EXPERIMENT	
	HRF RNLS – RENAL STONE	
	HRF TORSO – PHANTOM TORSO	

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TABLE 4-III STAND-ALONE MPV LOAD (CD) LOAD CHART (Sheet 2 of 2)

LOAD	CONTENTS	COMMENTS COLUMN
STAND-ALONE MPV LOAD (CD) 7A.1 BACKUP PODF DISK 1 OF 2 (CONT'D)	HRF USND – ULTRASOUND	
	HRF WORK – WORKSTATION	
	PCG-BAG-PCAM –	
	PCG-BAG-VDA2 – SECOND GENERATION VAPOR DIFUSION APPARATUS	
	PCG-STES – SINGLE LOCKER THERMAL ENCLOSURE SYSTEM	
	PDS – PASSIVE DOSIMETER SYSTEM	
	SAMS II – SPACE ACCELERATION MEASUREMENT SYSTEM II	
	TV OPS – TV PHOTO OPERATIONS	
	PROC SUPPORT (LOGFILES)	ARE NOT IMPORTED INTO MPV

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TABLE 4-IV MPV RE-LOAD (CD) LOAD CHART (Sheet 1 of 2)

LOAD	CONTENTS	COMMENTS COLUMN
MPV RE-LOAD (CD) 7A.1 BACKUP PODF DISK 2 OF 2	QUICK RESPONSE (SAFING)	
	DAILY STATUS CHECK MATRIX	
	ADVASC (ASC) – ADVANCED ASTROCULTURE	
	APCF – ADVANCED PROTEIN CRYSTALLIZATION FACILITY	
	ARIS – ACTIVE RACK ISOLATION SYSTEM	
	ARIS ICE – ACTIVE RACK ISOLATION SYSTEM INTERNATIONAL SPACE STATION CHARACTERIZATION EXPERIMENT	
	BSTC – BIOLOGICAL SPECIMEN TEMPERATURE CONTROLLER	
	BTR – BIOTECHNOLOGY REFRIGERATOR	
	CGBA – COMMERCIAL GENERIC BIOPROCESSING APPARATUS	
	CPCG – COMMERCIAL PROTEIN CRYSTAL GROWTH	
	DCPCG – DYNAMICALLY-CONTROLLED CRYSTALLIZATION APPARATUS FOR MICROGRAVITY	
	DMTM – DREAMTIME	
	EXPPCS – EXPERIMENT ON PHYSICS OF COLLOIDS IN SPACE	
	EXPRESS – EXPEDITE THE PROCESSING OF EXPERIMENTS TO SPACE STATION RACK	
	HRD BBNB - BONNER BALL NEUTRON DETECTOR EXPERIMENT	
	HRF CSWR – COMMON SOFTWARE	
	HRF DOSMAP – DOSIMETERIC MAPPING	
	HRF GASMAP – GAS ANALYZER METABOLIC ANALYSIS PHYSIOLOGY	
	HRF H-REFLEX – HOFFMAN REFLEX EXPERIMENT	
	HRF NTXN – INTERACTIONS	

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	HRF PUFF – PULMONARY IN-FLIGHT FUNCTIONAL	
	HRF RACK – RACK ACTIVATION	
	HRF RADS – RADIATION EXPERIMENT	
	HRF RNLS – RENAL STONE	
	HRF TORSO – PHANTOM TORSO	

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TABLE 4-IV MPV RE-LOAD (CD) LOAD CHART (Sheet 2 of 2)

LOAD	CONTENTS	COMMENTS COLUMN
MPV RE-LOAD (CD) 7A.1 BACKUP PODF DISK 2 OF 2 (CONT'D)	HRF USND – ULTRASOUND	
	HRF WORK – WORKSTATION	
	MAMS – MICROGRAVITY ACCELERATION MEASUREMENT SYSTEM	
	PCG-BAG-DCAM – DIFFUSION CONTROLLED CRYSTALLIZATION APPARATUS FOR MICROGRAVITY	
	PCG-BAG-PCAM –	
	PCG-BAG-VDA2 – SECOND GENERATION VAPOR DIFUSSION APPARATUS	
	PCG-STES – SINGLE LOCKER THERMAL ENCLOSURE SYSTEM	
	PDS – PASSIVE DOSIMETER SYSTEM	
	SAMS II – SPACE ACCELERATION MEASUREMENT SYSTEM II	
	TV OPS – TV PHOTO OPERATIONS	
	PROC SUPPORT (LOGFILES)	ARE NOT IMPORTED INTO MPV

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 1 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>QUICK RESPONSE</b>		INTEGRATED EXPRESS RACK 1 PAYLOAD SAFING	M3UEEXPRSPLDQ001
		INTEGRATED EXPRESS RACK 2 PAYLOAD SAFING	M3UEEXPRSPLDQ002
		INTEGRATED EXPRESS RACK 4 PAYLOAD SAFING	M3UEEXPRSPLDQ003
		INTEGRATED EXPRESS RACK 5 PAYLOAD SAFING	M3UEEXPRSPLDQ004
	APCF	APCF QUICK RESPONSE	M3UEEXPRSAPCFQ001
	BSTC	QUICK RESPONSE BSTC DEACTIVATION	MGUEEXPRSBSBSCQ001
	BTR	QUICK RESPONSE BTR DEACTIVATION	MGUEEXPRSBSBTRQ001
<b>STATUS CHECK</b>		DAILY STATUS CHECK MATRIX	M3UESTCKN001
<b>APCF</b>	ACTIVATION & CHECKOUT	APCF ACTIVATION	M3UEEXPRSAPCFAC001
	NOMINAL	APCF DEACTIVATION	M3UEEXPRSAPCFN002
		APCF POWER ON	M3UEEXPRSAPCFN003
		APCF STATUS CHECK	M3UEEXPRSAPCFN004
	REFERENCE	APCF FRONT PANEL DRAWING	M3UEEXPRSAPCFR001
		APCF HARDWARE DESCRIPTION	M3UEEXPRSAPCFR002
		APCF CONTROL PANEL DESCRIPTION	M3UEEXPRSAPCFR003
<b>BSTC</b>	NOMINAL	BSTC ACCESS	M3UEEXPRSBSBSCN002
		BSTC ACCESS CRYODEWAR	M3UEEXPRSBSBSCN004
		BSTC ACTIVATE	M3UEEXPRSBSBSCN001
		BSTC ACTIVATE GSM	M3UEEXPRSBSBSCN010

		BSTC ANALYZE MEDIA	M3UEEXPRS BSTCN006
		BSTC CLOSE	M3UEEXPRS BSTCN003
		BSTC CONNECT GAS SUPPLY HOSE	M3UEEXPRS BSTCN011

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 2 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
BSTC (CONT'D)	NOMINAL (CONT'D)	BSTC DEACTIVATE	M3UEEXPRSBSBTNCN009
		BSTC DEACTIVATE GSM	M3UEEXPRSBSBTNCN012
		BSTC DISCONNECT GAS SUPPLY HOSE	M3UEEXPRSBSBTNCN013
		BSTC EXCHANGE MEDIA	M3UEEXPRSBSBTNCN007
		BSTC GAS PURGE	M3UEEXPRSBSBTNCN015
		BSTC INITIATE EXPERIMENT	M3UEEXP RSBSTCN005
		BSTC PRESERVE CULTURE	M3UEEXPRSBSBTNCN008
		BSTC ROUTINE MAINTENANCE	M3UEEXPRSBSBTNCN014
	MALFUNCTION	CHAMBER TEMPERATURE HIGH	M3UEEXPRSBSBTM007
		CHAMBER TEMPERATURE LOW	M3UEEXPRSBSBTM002
		CO2 CONCENTRATION OFF NOMINAL	M3UEEXPRSBSBTM005
		COMPUTER BOOT FAILURE	M3UEEXPRSBSBTM008
		EXHAUST FAN RPM LOW OR 0	M3UEEXPRSBSBTM004
		FANS LED OFF	M3UEEXPRSBSBTM006
		FRONT PANEL DISPLAY BYPASS VIA EXPRESS LAPTOP	M3UEEXPRSBSBTM009
		INLET AIR VELOCITY READING LOW	M3UEEXPRSBSBTM003
		OFF-NOMINAL PARAMETER MALFUNCTION	M3UEEXPRSBSBTM001
	CORRECTIVE	BOOT DRIVE CHANGE	M3UEEXPRSBSBTCC001
		BSTC PCMCIA CARD CHANGE	M3UEEXPRSBSBTCC003
		CO2 BYPASS	M3UEEXPRSBSBTCC002
	REFERENCE	BCSS IMAGES	M3UEEXPRSBSBTCR004

	BIOTECHNOLOGY SPECIMEN TEMPERATURE CONTROLLER (BSTC) - 303 FRONT PANEL	MGUEEXPRSBSSTCFP001
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TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 3 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>BSTC (CONT'D)</b>	REFERENCE (CONT'D)	BIOTECHNOLOGY SPECIMEN TEMPERATURE CONTROLLER (BSTC) FLIGHT OPERATIONS OVERVIEW	M3UEEXPRSBSCTR001
		BSTC - 303 & LOCKER (SHOWN IN MAINTENANCE POSITION)	M3UEEXPRSBSCTR002
		BSTC DATA LOG BOOK	M3UEEXPRSBSCTR007
		BSTC REBOOT SWITCH	M3UEEXPRSBSCTR003
		BSTC SYSTEMS OVERVIEW INCLUDES GAS SUPPLY MODULE (GSM)	M3UEEXPRSBSCTR008
		CRYODEWAR ASSY	M3UEEXPRSBSCTR005
		ISS BIOTECHNOLOGY SPECIMEN TEMPERATURE CONTROLLER (BSTC) SCIENCE BACKGROUND	M3UEEXPRSBSCTR009
		PCBA DISPLAY	M3UEEXPRSBSCTR006
	REFERENCE, CUE CARD	BSTC SCHEDULE CUE CARD	M3UEEXPRSBSCTCC001
<b>BTR</b>	NOMINAL	BTR ACCESS	MGUEEXPRSBSBTRN002
		BTR ACTIVATE	MGUEEXPRSBSBTRN001
		BTR CLOSE	MGUEEXPRSBSBTRN003
		BTR DEACTIVATE	MGUEEXPRSBSBTRN004
		BTR ROUTINE MAINTENANCE	MGUEEXPRSBSBTRN005
	MALFUNCTION	ACTUATING CIRCUIT BREAKER TO OFF POSITION DOES NOT SHUT POWER DOWN	MGUEEXPRSBSBTRM005
		ACTUATING CIRCUIT BREAKER TO ON POSITION DOES NOT POWER UP BTR	MGUEEXPRSBSBTRM004

	BTR SYSTEM CHECKOUT	MGUEEXPRSBRM001
	INABILITY TO SET INTERNAL TEMPERATURE	MGUEEXPRSBRM006
	INOPERATIVE DISPLAY(S)	MGUEEXPRSBRM003
	MARGINAL BTR PERFORMANCE	MGUEEXPRSBRM008

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 4 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>BTR (CONT'D)</b>	MALFUNCTIONS (CONT'D)	POWER LED OFF	MGUEEXPRSBRM002
		PREMATURE SHUT DOWN	MGUEEXPRSBRM007
	REFERENCE	BTR FRONT PANEL PICTURE 1	MGUEEXPRSBRFP001
		BTR FRONT PANEL PICTURE 2	MGUEEXPRSBRFP002
		BTR FRONT PANEL PICTURE 3	MGUEEXPRSBRFP003
		BTR FRONT LATCH PICTURE	MGUEEXPRSBRFP004
		BTR INTERLOCK	MGUEEXPRSBR001
		BTR INTERLOCK SWITCH PICTURE	MGUEEXPRSBRFP005
		BTR OVERVIEW	MGUEEXPRSBR003
<b>DCPC</b>	NOMINAL	CRIM-M FILTER CHANGE-OUT	MGUEEXPRSDCPGN039
		DCPCG SETUP	MGUEEXPRSDCPGN006
		DCPCG SHUTDOWN	MGUEEXPRSDCPGN007
		DCPCG STATUS CHECK (ISS)	MGUEEXPRSDCPGN008
	NOMINAL, ALTERNATE	CRIM-M CMD_TEMP RESET (ISS)	MGUEEXPRSDCPGA037
		CRIM-M POWER CYCLE (ISS)	MGUEEXPRSDCPGA036
		CRIM-M RESET (ISS)	MGUEEXPRSDCPGA034
		CRIM-M THERMISTOR RECONFIGURATION (ISS)	MGUEEXPRSDCPGA035
		DCPCG CLEAN INTAKE FILTER	MGUEEXPRSDCPGA038
		DCPCG INSTALL MUFFLER	MGUEEXPRSDCPGA040
	MALFUNCTION	CRIM-M LCD BLANK (ISS)	MGUEEXPRSDCPGM006
		CRIM-M LCD FLASHING ON BATTER POWER (ISS)	MGUEEXPRSDCPGM007

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		CRIM-M MESSAGE STATUS (ISS)	MGUEEXPRSDCPGM005
		DCPCG EXCHANGE CAMERA CABLES	MGUEEXPRSDCPGM001

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 5 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>DCPCG (CONT'D)</b>	MALFUNCTION (CONT'D)	DCPCG EXCHANGE C-COMPUTER DISKS	MGUEEXPRSDCPGM002
		DCPCG EXCHANGE V-COMPUTER DISKS	MGUEEXPRSDCPGM003
	REFERENCE	C-LOCKER AEA DRAWING	MGUEEXPRSDCPGR007
		CRIM-M FILTER DRAWING	MGUEEXPRSDCPGR008
		DCPCG CABLE DRAWING	MGUEEXPRSDCPGR002
		DCPCG PAYLOAD OBJECTIVES	MGUEEXPRSDCPGR001
		DCPCG TOOLBOX DRAWING	MGUEEXPRSDCPGR004
		DCPCG TRANSFER DRAWINGS	MGUEEXPRSDCPGR003
<b>DMTM</b>	NOMINAL	DREAMTIME CAMERA SETUP	M3UEEXPRS DMTMN001
		DREAMTIME CAMERA STOW	M3UEEXPRS DMTMN002
		DREAMTIME FREZZI BATTERY CHARGING PROCEDURES	M3UEEXPRS DMTMN003
	NONIMAL, CUE CARD	DREAMTIME DOCUMENTARY ACTIVITIES CUE CARD	M3UEEXPRS DMTMCC015
		DREAMTIME EARTH OBS CUE CARD	M3UEEXPRS DMTMCC014
		DREAMTIME EDUCATIONAL ACTIVITIES CUE CARD	M3UEEXPRS DMTMCC011
		DREAMTIME MIDDECK CUE CARD	M3UEEXPRS DMTMCC012
		DREAMTIME SETTINGS CUE CARD	M3UEEXPRS DMTMCC017
	MALFUNCTION	DREAMTIME MALFUNCTION PROCEDURES	M3UEEXPRS DMTMM001
	CORRECTIVE	DREAMTIME PIXEL FIX	M3UEEXPRS DMTMC001
	REFERENCE	FIGURE 1. DREAMTIME CAMERA	M3UEEXPRS DMTMR001
		FIGURE 2. DREAMTIME LENS	M3UEEXPRS DMTMR002

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		FIGURE 3. DREAMTIME CAMERA VIEWFINDER CONTROLS	M3UEEXPRSMDMTMR003
		FIGURE 4. DREAMTIME AUDIO & TIME CODE CONTROLS	M3UEEXPRSMDMTMR004

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 6 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
DMTM (CONT'D)	REFERENCE (CONT'D)	FIGURE 5. DREAMTIME STATUS PANEL	M3UEEXPRSDDMTMR005
		SCENE 6. PAYLOAD BAY DOOR OPENING	M3UEEXPRSDDMTMR006
		SCENE 7. APPROACH TO ISS	M3UEEXPRSDDMTMR007
		SCENE 8. HATCH OPENING	M3UEEXPRSDDMTMR008
		SCENE 9. MPLM TRANSFER	M3UEEXPRSDDMTMR009
		SCENE 10. ORBITAL DIARY	M3UEEXPRSDDMTMR010
		SCENE 11. PHYSICAL EXERCISE AND OTHER ACTIVITIES	M3UEEXPRSDDMTMR011
		SCENE 12. OTHER SCENES AS REQUIRED	M3UEEXPRSDDMTMR012
		SCENE 13. ISS TOUR	M3UEEXPRSDDMTMR013
		SCENE 14. EARTH OBSERVATION	M3UEEXPRSDDMTMR014
		SCENE 15. EDUCATIONAL OPERATIONS - DOCUMENTARY	M3UEEXPRSDDMTMR015
		SCENE 16. EVA PREP AND OUT WINDOW SCENES	M3UEEXPRSDDMTMR016
		SCENE 17. EXPRESS RACK TRANSFER	M3UEEXPRSDDMTMR017
	REFERENCE, CUE CARD	DREAMTIME BACK FOCUS CHART	M3UEEXPRSDDMTMCC018
		DREAMTIME TAPE AND BATTERY CUE CARD	M3UEEXPRSDDMTMCC016
EXPRESS	NOMINAL	CLEANING ISIS DRAWER SCREENS	MGUEEXPRSN012
		INSTALL EXPRESS LOCER CLOSEOUT PANELS	MGUEEXPRSN014
	CORRECTIVE	CHANNEL CONTROL COMMANDING	MGUEEXPRSC026
		EXPRESS RACK CLOSEOUT COVER (ABOVE BOTH DRAWERS) REMOVAL	MGUEEXPRSC020

	EXPRESS RACK CLOSEOUT COVER (ABOVE BOTH DRAWERS) REPLACEMENT	MGUEEXPRSC021
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TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 7 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>EXPRESS (CONT'D)</b>	CORRECTIVE (CONT'D)	EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REMOVAL (LEFT WHEN FACING RACK)	MGUEEXPRSC022
		EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REMOVAL (RIGHT WHEN FACING RACK)	MGUEEXPRSC024
		EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REPLACEMENT (LEFT WHEN FACING RACK)	MGUEEXPRSC023
		EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REPLACEMENT (RIGHT WHEN FACING RACK)	MGUEEXPRSC025
		EXPRESS RACK REAR ACCESS PANEL REMOVAL	MGUEEXPRSC016
		EXPRESS RACK REAR ACCESS PANEL REPLACEMENT	MGUEEXPRSC018
		EXPRESS RACK UPPER REAR ACCESS PANEL REMOVAL	MGUEEXPRSC017
		EXPRESS RACK UPPER REAR ACCESS PANEL REPLACEMENT	MGUEEXPRSC019
	REFERENCE	EXPRESS RACK IP ADDRESSES	M3UEEXPRS001
<b>HRF CSWR</b>	CORRECTIVE	HARD DISK CHANGE-OUT	MGUEHRFCSWRC003
<b>HRF GASMAP</b>	NOMINAL	GASMAP ROUTINE DATABASE BACKUP	MGUERHFGASMN004
	CORRECTIVE	GASMAP DATABASE BACKUP	MGUEHFGASMC002
		GASMAP DATABASE RESTORE	MGUEHFGASMC003
<b>HRF H-REFLEX</b>	NOMINAL	EFFECTS OF ALTERED GRAVITY ON SPINAL CORD EXCITABILITY (ISS)	MGUEHRFHREFN001

	REFERENCE	FIGURE 3 SUBJECT RECORDING ELECTRODE PLACEMENT	MGUEHRFHREFR003
<b>HRF INTERACTIONS</b>	NOMINAL	HRF INTERACTIONS EXPERIMENT OPERATIONS	MGUEHRFNTXNN001
	NOMINAL, ALTERNATE	HRF INTERACTIONS EXPERIMENT OPERATIONS USING WORKSTATION	MGUEHRFNTXNA001
<b>HRF PUFF</b>	NOMINAL	PUFF EXPERIMENT OPERATIONS	MGUEHRFPUFFN001

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 8 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
HRF PUFF (CONT'D)	NOMONAL, CUE CARD	HARDWARE RETRIEVAL CUE CARD	MGUEHRFPUFFCC001
	CORRECTIVE	PSC BATTERY CHANGEOUT	MGUEHRFPUFFC001
HRF RACK	CORRECTIVE	RELOAD CONFIG FILES TO EMU FROM HRF PC	MGUEHRFRACKC001
HRF RNLS	NOMINAL	RENAL STONE BARCODE READER OPERATIONS	MGUEHRFRNLSN004
		RENAL STONE FEMALE URINE COLLECTION DEVICE ADAPTATION	MGUEHRFRNLSN003
		RENAL STONE MALE URINE COLLECTION DEVICE ADAPTATION	MGUEHRFRNLSN002
		RENAL STONE RISK ASSESSMENT AND COUNTERMEASURE VALIDATION	MGUEHRFRNLSN001
	NOMINAL, ALTERNATE	RENAL STONE ALTERNATE PROCEDURE FOR LOGGING	MGUEHRFRNLSA001
HRF WORK	NOMINAL	WORKSTATION NOMINAL DEACTIVATION	MGUEHRFWORKN004
		WORKSTATION NOMINAL SETUP	MGUEHRFWORKN002
	CORRECTIVE	WORKSTATION HARD DISK DRIVE SWITCH TO BACKUP	MGUEHRFWORKC001
MAMS	NOMINAL	CLEANING MAMS SCREENS	MGUEEXPRSMAMSN003
PDS	ACTIVATION & CHECKOUT	TLD READER ACTIVATION	MGULPDSN001
	NOMINAL	CHECKING TEMPERATURE OF TLD READER	MGULPDSN011
		ON ORBIT GLASS INSPECTION	MGULPDSN016
		PLACEMENT OF TLD-PNTD HOLDER ASSEMBLIES IN ISS LOCATIONS	MGULPDSN005

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		TESTING TLD READER	MGULPDSN010
		TLD AUTOMATIC READOUT	MGULPDSN004
		TLD MANUAL READOUT	MGULPDSN003
		TLD READER CLOCK CHANGEOUT	MGULPDSN008

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 9 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
PDS (CONT'D)	NOMINAL (CONT'D)	TLD READER PILLE TLD MEMORY CARD CHANGEOUT	MGULPDSN007
	NOMINAL, ALTERNATE	MEASUREMENT WITHOUT PILLE TLD MEMORY CARD	MGULPDSA002
		SETTING REAL TIME CLOCK ON TLD READER TO ONBOARD TIME	MGULPDSA007
		TLD READER ACTIVATION WITHOUT PILLE TLD MEMORY CARD	MGULPDSA006
	MALFUNCTION	'ERR_CLK' MESSAGE ON DISPLAY	MGULPDSM014
		'TIME_ERR' MESSAGE ON DISPLAY	MGULPDSM008
	REFERENCE	TLD-PNTD HOLDER ASSEMBLY LOCATIONS	MGULPDSR050
		TLD-PNTD HOLDER DRAWING	MGULPDSR006
	REFERENCE, CUE CARD	TLD READER MENUS AND SUBMENUS	MGULPDSCC001
TV OPS	NOMINAL	ARIS ICE CHANGE POWER UMBILICAL ESC CAMERA SETUP	M3UTARISICEN015
		ARIS ICE CHANGE POWER UMBILICAL VIDEO CAMERA SETUP	M3UTARISICEN016
		ARIS ICE FULL SWAY SPACE ESC CAMERA SETUP	M3UTARISICEN017
		ARIS ICE FULL SWAY SPACE VIDEO CAMERA SETUP	M3UTARISICEN018
		ARIS ICE HAMMER TEST CAMERA SETUP	M3UTARISICEN012
		ARIS ICE LAPTOP RACK INSTALLATION CAMERA SETUP	M3UTARISICEN020

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		ARIS ICE MRB INSTALLATION ESC CAMERA SETUP	M3UTARISICEN010
		ARIS ICE MRB INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN011
		ARIS ICE POP CONFIGURATION ESC CAMERA SETUP	M3UTARISICEN013

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 10 of 12)

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PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
TV OPS (CONT'D)	NOMINAL (CONT'D)	ARIS ICE PUSH-OFF TESTS 1 AND 2 CAMERA SETUP	M3UTARISICEN023
		ARIS ICE PUSH-OFF TESTS 3 AND 4 CAMERA SETUP	M3UTARISICEN024
		ARIS ICE RACK SHAKE INSTALLATION ESC CAMERA SETUP	M3UTARISICEN021
		ARIS ICE RACK SHAKE INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN022
		ARIS ICE RECONFIGURE FOR POP CONTROL VIDEO CAMERA SETUP	M3UTARISICEN014
		ARIS ICE REDUCED SWAY SPACE VIDEO CAMERA SETUP	M3UTARISICEN007
		ARIS ICE SAMS II LOWER FITTING INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN002
		ARIS ICE SAMS II LOWER FITTING, CABLING AND SE INSTALLATION ESC CAMERA SETUP	M3UTARISICEN001
		ARIS ICE SAMS II UPPER FITTING INSTALLATION ESC CAMERA SETUP	M3UTARISICEN003
		ARIS ICE SAMS II UPPER FITTING INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN004
		ARIS ICE SHAKER REORIENTATION	M3UTARISICEN025
		ARIS ICE SNUBBER ASSEMBLY, LAPTOP AND STATION SHAKE INSTALLATION ESC CAMERA SETUP	M3UTARISICEN008
		ARIS ICE SNUBBER CUP TEST CAMERA SETUP	M2UTARISICEN019
		ARIS ICE STATION SHAKE INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN009

		BSTC CAMERA SETUP	M3UTEXPRSBSTCN001
		BTR CAMERA SETUP	M3UTEXPRSBTRN001
		DCPCG SETUP CAMERA SETUP	M3UTEXPRSDCPGN001
		DCPCG SHUTDOWN CAMERA SETUP	M3UTEXPRSDCPGN002

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 11 of 12)

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PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
TV OPS (CONT'D)	NOMINAL (CONT'D)	GASMAP CAMERA SETUP	M3UTHRGASMN001
		H-REFLEX CAMERA SETUP	M3UTHRFHREFN001
		INTERACTIONS CAMERA SETUP	MGUTHRFNTXNN001
		PARK POSITION CAMERA SETUP	MGUTLABPARKN001
		POSSUM CAMERA SETUP	MGUTLABPOSSN001
		PUFF CAMERA SETUP	M3UTHRFPUFFN001
		QTCMA1 CAMERA SETUP	M3UTEXPRSBSTCN004
		SAMSII DRAWER RELOCATION CAMERA SETUP	M3UTEXPRSSAMSN001
		SAMSII SE DEPLOYMENT/RELOCATION CAMERA SETUP	MGUTEXPRSSAMSN001
		ULTRASOUND CAMERA SETUP	M3UTHRFUSNDN001
PROC SUPPORT	APCF	APCF ACTIVATION/DEACTIVATION LOG	M3UEEXPRSAPCFL001
		APCF STATUS CHECK LOG	M3UEEXPRSAPCFL002
	BSTC	BSTC ANALYZE MEDIA ELECTRONIC LOG FILE	MGUEEXPRSBSBTCL001
	DCPG	C-LOCKER AEA DRAWING	MGUEEXPRSDCPGR007
		DCPCG TRANSFER DRAWINGS	MGUEEXPRSDCPGR003
		TABLE 1: MESSAGE LOG LIST	MGUEEXPRSDCPGL001
		TABLE 2: DIAGNOSTIC DATA	MGUEEXPRSDCPGL002
		TABLE 3: EEPROM LOGGER STATUS/USER EVENT	MGUEEXPRSDCPGL003
		TABLE 4: RECOVERY DATA LOG	MGUEEXPRSDCPGL004
		TABLE 5: THERMISTORS REQUESTED	MGUEEXPRSDCPGL005

	TABLE 6: TIME, TEMPERATURE, AND SAMPLE RATES	MGUEEXPRSDCPGL006
	TABLE 7: CRIM-M RESET LOG FILE WITH BANDWIDTH	MGUEEXPRSDCPGL007

TABLE 4-V PAYLOAD PROCEDURE UPDATE LOAD SUMMARY (Sheet 12 of 12)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
PROC SUPPORT (CONT'D)	DCPG (CONT'D)	TABLE 8: CRIM-M FILTER REPLACEMENT LOG	MGUEEXPRSDCPGL008
	DMTM	DREAMTIME TAPE LOG	M3UEEXPRSDEMTML001
	STCK	DAILY STATUS CHECK MATRIX	M3UESTCKN001

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PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
QUICK RESPONSE	EXPRS	INTEGRATED EXPRESS RACK 1 PAYLOAD SAFING	M3UEEXPRSPLDQ001
		INTEGRATED EXPRESS RACK 2 PAYLOAD SAFING	M3UEEXPRSPLDQ002
		INTEGRATED EXPRESS RACK 4 PAYLOAD SAFING	M3UEEXPRSPLDQ003
		INTEGRATED EXPRESS RACK 5 PAYLOAD SAFING	M3UEEXPRSPLDQ004
	APCF	APCF QUICK RESPONSE	M3UEEXPRSAPCFQ001
	BSTC	QUICK RESPONSE BSTC DEACTIVATION	MGUEEXPRSBSTCQ001
	BTR	QUICK RESPONSE BTR DEACTIVATION	MGUEEXPRSBTRQ001
	CPCG	CPCG RAPID SAFING	M2UEEXPRSCPCGQ001
	RAD	EXPEDITED POWERDOWN OF RADIATION SUITE HARDWARE	M2UEHFRFRADSQ001
	SAMS	QUICK RESPONSE ICU/D DEATIVATION	MGUEEXPRSSAMSQ001
		QUICK RESPONSE RTS/D DEACTIVATION	MGUEEXPRSSAMSQ002
	STES	STES QUICK DEACTIVATION	MGUEEXPRSSTESQ001
		STES QUICK RECOVERY ACTIVATION	MGUEEXPRSSTESQ002
DAILY STATUS CHECK MATRIX		DAILY STATUS CHECK MATRIX	M3UESTCKN001
ADVASC	ACTIVATION & CHECKOUT	ADVASC ACTIVATION	MGUEEXPRSASCN002
	NOMINAL	ADVASC CABLE CONNECTIONS	MGUEEXPRSASCN001
		ADVASC CABLE DISCONNECTIONS	MGUEEXPRSASCN009
		ADVASC CONDENSATE FLUID SAMPLE	MGUEEXPRSASCN005

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		ADVASC DEACTIVATION	MGUEEXPRSASCN008
		ADVASC END EXPERIMENT	MGUEEXPRSASCN007
		ADVASC GAS SAMPLE	MGUEEXPRSASCN004

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 2 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>ADVASC (CONT'D)</b>	NOMINAL (CONT'D)	ADVASC NUTRIENT FLUID EXCHANGE	MGUEEXPRSASCN006
		ADVASC NUTRIENT FLUID SAMPLE	MGUEEXPRSASCN010
		ADVASC STATUS MONITORING	MGUEEXPRSASCN003
	MALFUNCTION	ADVASC DATA DOWNLOAD	MGUEEXPRSASCM001
		ADVASC POWER CYCLE	MGUEEXPRSASCM002
		ADVASC CHANGE SET POINTS	MGUEEXPRSASCC003
		ADVASC CLOCK ADJUSTMENT	MGUEEXPRSASCC002
		ADVASC EXPERIMENT RESUMPTION	MGUEEXPRSASCC004
		ADVASC FILTER CLEANING	MGUEEXPRSASCC001
	REFERENCE	ADVASC REFERENCE INFORMATION	MGUEEXPRSASCR001
		ADVASC REFERENCE INFORMATION (3)	MGUEEXPRSASCR003
		ADVASC REFERENCE INFORMATION (4)	MGUEEXPRSASCR004
	REFERENCE, CUE CARD	ADVASC STATUS CHECK MATRIX	MGUEEXPRSASCR002
<b>APCF</b>	ACTIVATION & CHECKOUT	APCF ACTIVATION	M3UEEXPRSAPCFAC001
	NOMINAL	APCF DEACTIVATION	M3UEEXPRSAPCFN002
		APCF POWER ON	M3UEEXPRSAPCFN003
		APCF STATUS CHECK	M3UEEXPRSAPCFN004
		APCF CONTROL PANEL DESCRIPTION	M3UEEXPRSAPCFR003
		APCF FRONT PANEL DRAWING	M3UEEXPRSAPCFR001
		APCF HARDWARE DESCRIPTION	M3UEEXPRSAPCFR002

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ARIS	ACTIVATION & CHECKOUT	ARIS ACTIVATION	MGUEEXPRSARISAC001
	NOMINAL	ARIS DEACTIVATION	MGUEEXPRSARISN005
		ARIS HYPEREXTENSION TEST MONITORING	MGUEEXPRSARISN004
		ARIS OPERATIONS	MGUEEXPRSARISN003

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 3 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
ARIS CONT'D)	NOMINAL (CONT'D)	ARIS POSITION CONTROL STABILITY ONE MINUTE TEST MONITORING	MGUEEXPRSARISN016
		ARIS POSITION CONTROL STABILITY ONE SECOND TEST MONITORING	MGUEEXPRSARISN015
		ARIS RANGE TEST MONITORING	MGUEEXPRSARISN014
		DEINSTALL, REMOVE MICROGRAVITY RACK BARRIER	MGUEEXPRSARISN013
		INSTALL RETRACTORS	MGUEEXPRSARISN010
		INSTALL SNUBBER ALIGNMENT GUIDES	MGUEEXPRSARISN006
		INSTALL, REPLACE MICROGRAVITY RACK BARRIER	MGUEEXPRSARISN012
		PUSHROD CALIBRATION	MGUEEXPRSARISN002
		REMOVE RETRACTORS	MGUEEXPRSARISN011
		REMOVE SNUBBER ALIGNMENT GUIDES	MGUEEXPRSARISN007
	CORRECTIVE	ACCELEROMETER (A6) REPLACEMENT	MGUEEXPRSARISC006
		ACCELEROMETER (A7) REPLACEMENT	MGUEEXPRSARISC007
		ACCELEROMETER (A8) REPLACEMENT	MGUEEXPRSARISC008
		ACUATOR DRIVER REPLACEMENT	MGUEEXPRSARISC002
		CONTROLLER REPLACEMENT	MGUEEXPRSARISC001
		LOWER PUSHROD/ACTUATOR ASSEMBLY (A10) REPLACEMENT	MGUEEXPRSARISC010
		LOWER PUSHROD/ACTUATOR ASSEMBLY (A11) REPLACEMENT	MGUEEXPRSARISC011
		LOWER PUSHROD/ACTUATOR ASSEMBLY (A12) REPLACEMENT	MGUEEXPRSARISC012

	LOWER PUSHROD/ACTUATOR ASSEMBLY (A15) REPLACEMENT	MGUEEXPRSARISC015
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PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
ARIS CONT'D)	CORRECTIVE CONT'D	LOWER PUSHROD/ACTUATOR ASSEMBLY (A16) REPLACEMENT	MGUEEXPRSARISC016
		LOWER PUSHROD/ACTUATOR ASSEMBLY (A9) REPLACEMENT	MGUEEXPRSARISC009
		REMOTE ELECTRONIC UNIT REPLACEMENT	MGUEEXPRSARISC003
		REMOTE ELECTRONIC UNIT (A4) REPLACEMENT	MGUEEXPRSARISC004
		REMOTE ELECTRONIC UNIT (A5) REPLACEMENT	MGUEEXPRSARISC005
		UPPER PUSHROD/ACTUATOR ASSEMBLY (A13) REPLACEMENT	MGUEEXPRSARISC013
		UPPER PUSHROD/ACTUATOR ASSEMBLY (A14) REPLACEMENT	MGUEEXPRSARISC014
	REFERENCE	ACTIVE RACK ISOLATION SYSTEM (ARIS) REFERENCE DATA	MGUEEXPRSARISR001
		ACTUATOR DRIVER ASSEMBLY	MGUEEXPRSARISR005
		ACTUATOR/PUSHROD ASSEMBLY	MGUEEXPRSARISR006
		CONTROLLER ASSEMBLY	MGUEEXPRSARISR004
		MICROGRAVITY RACK BARRIER	MGUEEXPRSARISR008
		PAYOUT MESSAGES - ARIS	MGUEEXPRSARISR003
		RETRACTOR	MGUEEXPRSARISR007
		SNUBBER ASSEMBLY	MGUEEXPRSARISR009
ARIS ICE	ACTIVATION & CHECKOUT	ARIS SHAKER AND ARIS SHAKER CONTROLLER ACTIVATION	M2UEEXPRSICEAC001
	NOMINAL	ALTERNATE UMBILICAL INSTALLATION	M2UEEXPRSICEN010
		ARIS ICE SAMS II SE INSTALLATION AND CABLE ROUTING	M2UEEXPRSICEN038

	ARIS SHAKER AND ARIS SHAKER CONTROLLER DEACTIVATION	M2UEEXPRSICEN018
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 5 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
ARIS ICE (CONT'D)	NOMINAL (CONT'D)	DISCONNECT LAPTOP CABLES	M2UEEXPRSICEN029
		HAMMER TEST	M2UEEXPRSICEN011
		ICE FINAL STOW	M2UEEXPRSICEN021
		ICE HYPEREXTENSION TEST MONITORING	M2UEEXPRSICEN039
		ICE POSITION CONTROL STABILITY ONE MINUTE TEST MONITORING	MGUEEXPRSICEN042
		ICE POSITION CONTROL STABILITY ONE SECOND TEST MONITORING	MGUEEXPRSICEN041
		ICE RANGE TEST MINTORING	MGUEEXPRSICEN040
		INSTALL LAPTOP ON ADJACENT RACK	M2UEEXPRSICEN026
		LAPTOP TEST	M2UEEXPRSICEN031
		POP ACTIVATION	M2UEEXPRSICEN016
		POP DEACTIVATION	M2UEEXPRSICEN022
		POP INTEGRATION	M2UEEXPRSICEN005
		PUSHOFF TEST WITH FULL SWAY SPACE AND MICROGRAVITY RACK BARRIER INSTALLED	M2UEEXPRSICEN013
		PUSHOFF TEST WITH FULL SWAY SPACE AND MICROGRAVITY RACK BARRIER NOT INSTALLED	M2UEEXPRSICEN015
		PUSHOFF TEST WITH REDUCED SWAY SPACE AND MICROGRAVITY RACK BARRIER INSTALLED	M2UEEXPRSICEN014
		PUSHOFF TEST WITH REDUCED SWAY SPACE AND MICROGRAVITY RACK BARRIER NOT INSTALLED	MGUEEXPRSICEN017
		RACK SHAKE INSTALLATION	M2UEEXPRSICEN007

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		RACK SHAKE MOVE	M2UEEXPRSICEN027
		RECOFIGURE FOR POP CONTROL	M2UEEXPRSICEN006

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 6 of 39)

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PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
ARIS ICE (CONT'D)	NOMINAL (CONT'D)	RECONNECT LAPTOP CABLES	M2UEEXPRSICEN030
		RELOCATE LAPTOP TO LAB101	M2UEEXPRSICEN035
		SAMS II LOWER FITTING INSTALLATION	M2UEEXPRSICEN001
		SAMS II UPPER FITTING ASSEMBLY INSTALLATION	M2UEEXPRSICEN002
		SET FREQUENCY SWEEP	M2UEEXPRSICEN012
		SET FREQUENCY SWEEP WITH VIDEO	M2UEEXPRSICEN020
		SETUP FOR FULL SWAY SPACE	M2UEEXPRSICEN009
		SETUP FOR REDUCED SWAY SPACE	M2UEEXPRSICEN004
		SETUP FOR STANDARD CONTROL	M2UEEXPRSICEN032
		SHAKER REORIENTATION	M2UEEXPRSICEN008
		SNUBBER CUP CONTAINMENT TEST	M2UEEXPRSICEN033
		STATION SHAKE INSTALLATION	M2UEEXPRSICEN003
		STOW ARIS SHAKER	MGUEEXPRSICEN044
		STOW ARIS CONTROLLER	M2UEEXPRSICEN028
	NOMINAL, ALTERNATE	SAMS II CABLES REMOVAL	M2UEEXPRSICEA004
		SAMS II LOWER FITTING REMOVAL	M2UEEXPRSICEA002
		SAMS II UPPER FITTING ASSEMBLY REMOVAL	M2UEEXPRSICEA003
		SET NEW SHAKER FREQUENCY AND AMPLITUDE	M2UEEXPRSICEA001
	REFERENCE	ARIS ICE 1553 SHORTING PLUG	M2UEEXPRSICER013
		ARIS ICE CONTROLLER FRONT PANEL	M2UEEXPRSICER005

		HAMMER TEST LOCATION DRAWINGS	M2UEEXPRSICER014
		ISS CHARACTERIZATION EXPERIMENT (ICE) REFERENCE DATA	M2UEEXPRSICER001
		PAYLOAD MESSAGES - ARIS ICE	M2UEEXPRSICER003

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 7 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>ARIS ICE (CONT'D)</b>	REFERENCE (CONT'D)	POP FRONT PANEL	M2UEEXPRSICER004
		REDUCED SWAY SPACE SLEEVE	M2UEEXPRSICER008
		SAMS II CABLE ROUTING PICTURE	M2UEEXPRSICER010
		SAMS II LOWER BASE PLATE FITTING ASSEMBLY INSTALLATION DRAWING	M2UEEXPRSICER011
		SAMS II UPPER FITTING ASSEMBLY DRAWING	M2UEEXPRSICER012
		SNUBBER ASSEMBLY	M2UEEXPRSICER007
		STATION SHAKE HARDWARE	M2UEEXPRSICER006
<b>BSTC</b>	NOMINAL	BSTC ACTIVATE	M3UEEXPRSBSTCN001
		BSTC ACCESS	M3UEEXPRSBSTCN002
		BSTC ACCESS CRYODEWAR	M3UEEXPRSBSTCN004
		BSTC ACTIVATE GSM	M3UEEXPRSBSTCN010
		BSTC ANALYZE MEDIA	M3UEEXPRSBSTCN006
		BSTC CLOSE	M3UEEXPRSBSTCN003
		BSTC CONNECT GAS SUPPLY HOSE	M3UEEXPRSBSTCN011
		BSTC DEACTIVATE	M3UEEXPRSBSTCN009
		BSTC DEACTIVATE GSM	M3UEEXPRSBSTCN012
		BSTC DISCONNECT GAS SUPPLY HOSE	M3UEEXPRSBSTCN013
		BSTC EXCHANGE MEDIA	M3UEEXPRSBSTCN007
		BSTC GAS PURGE	M3UEEXPRSBSTCN015
		BSTC INITIATE EXPERIMENT	M3UEEXPRSBSTCN005
		BSTC PRESERVE CULTURE	M3UEEXPRSBSTCN008

		BSTC ROUTINE MAINTENANCE	M3UEEXPRS BSTCN014
	MALFUNCTION	CHAMBER TEMPERATURE HIGH	M3UEEXPRS BSTCM007
		CHAMBER TEMPERATURE LOW	M3UEEXPRS BSTCM002
		CO2 CONCENTRATION OFF NOMINAL	M3UEEXPRS BSTCM005

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 8 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
BSTC (CONT'D)	MALFUNCTION (CONT'D)	COMPUTER BOOT FAILURE	M3UEEXPRSBSBCM008
		EXHAUST FAN RPM LOW OR 0	M3UEEXPRSBSBCM004
		FANS LED OFF	M3UEEXPRSBSBCM006
		FRONT PANEL DISPLAY BYPASS VIA EXPRESS LAPTOP	M3UEEXPRSBSBCM009
		INLET AIR VELOCITY READING LOW	M3UEEXPRSBSBCM003
		OFF-NOMINAL PARAMETER MALFUNCTION	M3UEEXPRSBSBCM001
	CORRECTIVE	BOOT DRIVE CHANGE	M3UEEXPRSBSBTCC001
		BSTC PCMCIA CARD CHANGE	M3UEEXPRSBSBTCC003
		CO2 BYPASS	M3UEEXPRSBSBTCC002
	REFERENCE	BCSS IMAGES	M3UEEXPRSBSBSCR004
		BIOTECHNOLOGY SPECIMEN TEMPERATURE CONTROLLER (BSTC) - 303 FRONT PANEL	MGUEEXPRSBSBSCFP001
		BIOTECHNOLOGY SPECIMEN TEMPERATURE CONTROLLER (BSTC) FLIGHT OPERATIONS OVERVIEW	M3UEEXPRSBSBSCR001
		BSTC - 303 & LOCKER (SHOWN IN MAINTENANCE POSITION)	M3UEEXPRSBSBSCR002
		BSTC DATA LOG BOOK	M3UEEXPRSBSBSCR007
		BSTC REBOOT SWITCH	M3UEEXPRSBSBSCR003
		BSTC SYSTEMS OVERVIEW INCLUDES GAS SUPPLY MODULE (GSM)	M3UEEXPRSBSBSCR008
		CRYODEWAR ASSY	M3UEEXPRSBSBSCR005

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		ISS BIOTECHNOLOGY SPECIMEN TEMPERATURE CONTROLLER (BSTC) SCIENCE BACKGROUND	M3UEEXPRSBSCTR009
		PCBA DISPLAY	M3UEEXPRSBSCTR006

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 9 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
BSTC (CONT'D)	REFERENCE, CUE CARD	BSTC SCHEDULE CUE CARD	M3UEEXPRSBSCTCC001
BTR	ACTIVATION & CHECKOUT	BTR ACTIVATE	MGUEEXPRSBRN001
	NOMINAL	BTR ACCESS	MGUEEXPRSBRN002
		BTR CLOSE	MGUEEXPRSBRN003
		BTR DEACTIVATE	MGUEEXPRSBRN004
		BTR ROUTINE MAINTENANCE	MGUEEXPRSBRN005
	MALFUNCTIONS	ACTUATING CIRCUIT BREAKER TO OFF POSITION DOES NOT SHUT POWER DOWN	MGUEEXPRSBRM005
		ACTUATING CIRCUIT BREAKER TO ON POSITION DOES NOT POWER UP BTR	MGUEEXPRSBRM004
		BTR SYSTEM CHECKOUT	MGUEEXPRSBRM001
		INABILITY TO SET INTERNAL TEMPERATURE	MGUEEXPRSBRM006
		INOPERATIVE DISPLAY(S)	MGUEEXPRSBRM003
		MARGINAL BTR PERFORMANCE	MGUEEXPRSBRM008
		POWER LED OFF	MGUEEXPRSBRM002
		PREMATURE SHUT DOWN	MGUEEXPRSBRM007
	REFERENCE	BTR FRONT LATCH PICTURE	MGUEEXPRSBRFP004
		BTR FRONT PANEL PICTURE 1	MGUEEXPRSBRFP001
		BTR FRONT PANEL PICTURE 2	MGUEEXPRSBRFP002
		BTR FRONT PANEL PICTURE 3	MGUEEXPRSBRFP003
		BTR INTERLOCK	MGUEEXPRSBR001
		BTR INTERLOCK SWITCH PICTURE	MGUEEXPRSBRFP005

		BTR OVERVIEW	MGUEEXPRSBTTR003
<b>CGBA</b>	ACTIVATION & CHECKOUT	CGBA ACTIVATION	MGUEEXPRSCGBAAC001
	NOMINAL	CGBA MAINTENANCE	MGUEEXPRSCGBAN004

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 10 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>CGBA</b> (CONT'D)	NOMINAL (CONT'D)	CGBA STATUS CHECK	MGUEEXPRSCGBAN001
	NOMINAL, ALTERNATE	CGBA ADJUST END OF MISSION (EOM)	MGUEEXPRSCGBAA003
		CGBA ADJUST EXPRIMENT ELAPSED (EET)	MGUEEXPRSCGBAA002
		CGBA ADJUST SET TEMP	MGUEEXPRSCGBAA001
		CGBA DEACTIVATION	MGUEEXPRSCGBAA006
		CGBA SET GMT	MGUEEXPRSCGBAA004
	MALFUNCTION	CGBA INCORRECT (NO) DISPLAY	MGUEEXPRSCGBAM002
		CGBA INCORRECT TEMP	MGUEEXPRSCGBAM001
<b>CPCG</b>	ACTIVATION & CHECKOUT	CPCG-H ACTIVATION	M2UEEXP RSCP CGAC001
	NOMINAL	CPCG-H DEACTIVATION	MGUEEXPRSCP CGN002
		CPCG-H STATUS CHECK	MGUEEXPRSCP CGN003
		CRIM-M FILTER CHANGE-OUT	MGUEEXPRSCP CGN004
	NOMINAL, ALTERNATE	CRIM-M CMD_TEMP RESET (ISS)	MGUEEXPRSCP CGA004
		CRIM-M POWER CYCLE (ISS)	MGUEEXPRSCP CGA003
		CRIM-M RESET (ISS)	MGUEEXPRSCP CGA001
		CRIM-M THERMISTOR RECONFIGURATION (ISS)	MGUEEXPRSCP CGA002
	MALFUNCTION	CRIM-M LCD BLANK (ISS)	MGUEEXPRSCP CGM002
		CRIM-M LCD FLASHING ON BATTERY POWER (ISS)	MGUEEXPRSCP CGM003
		CRIM-M MESSAGE STATUS (ISS)	MGUEEXPRSCP CGM001

	REFERENCE	FIGURE 1: CPCG-H/CRIM-M DRAWING	MGUEEXPRSCPCGR003
		FIGURE 2: CRIM-M INSTALLATION TO PAYLOAD MOUNTING PANEL	MGUEEXPRSCPCGR002
		FIGURE 3: CRIM-M FILTER DRAWING	MGUEEXPRSCPCGR005

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 11 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
CPCG (CONT'D)	REFERENCE (CONT'D)	INSTALLED ACTUATOR HANDLE DRAWING	MGUEEXPRSCPCGR006
		REFERENCE TABLE 1: DIAGNOSTIC VALUES	MGUEEXPRSCPCGR001
		REFERENCE TABLE 4: CPCG STOWAGE ITEM/LOCATION	MGUEEXPRSCPCGR004
DCPCG	NOMINAL	CRIM-M FILTER CHANGE-OUT	MGUEEXPRSDCPGN039
		DCPCG SETUP	MGUEEXPRSDCPGN006
		DCPCG SHUTDOWN	MGUEEXPRSDCPGN007
		DCPCG STATUS CHECK (ISS)	MGUEEXPRSDCPGN008
	NOMINAL, ALTERNATE	CRIM-M CMD_TEMP RESET (ISS)	MGUEEXPRSDCPGA037
		CRIM-M POWER CYCLE (ISS)	MGUEEXPRSDCPGA036
		CRIM-M RESET (ISS)	MGUEEXPRSDCPGA034
		CRIM-M THERMISTOR RECONFIGURATION (ISS)	MGUEEXPRSDCPGA035
		DCPCG CLEAN INTAKE FILTER	MGUEEXPRSDCPGA038
		DCPCG INSTALL MUFFLER	MGUEEXPRSDCPGA040
	MALFUNCTION	CRIM-M LCD BLANK (ISS)	MGUEEXPRSDCPGM006
		CRIM-M LCD FLASHING ON BATTER POWER (ISS)	MGUEEXPRSDCPGM007
		CRIM-M MESSAGE STATUS (ISS)	MGUEEXPRSDCPGM005
		DCPCG EXCHANGE CAMERA CABLES	MGUEEXPRSDCPGM001
		DCPCG EXCHANGE C-COMPUTER DISKS	MGUEEXPRSDCPGM002
		DCPCG EXCHANGE V-COMPUTER DISKS	MGUEEXPRSDCPGM003
	REFERENCE	C-LOCKER AEA DRAWING	MGUEEXPRSDCPGR007

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		CRIM-M FILTER DRAWING	MGUEEXPRSDCPGR008
		DCPCG CABLE DRAWING	MGUEEXPRSDCPGR002
		DCPCG PAYLOAD OBJECTIVES	MGUEEXPRSDCPGR001

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 12 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
DCPCG (CONT'D)	REFERENCE (CONT'D)	DCPCG TOOLBOX DRAWING	MGUEEXPRSDCPGR004
		DCPCG TRANSFER DRAWINGS	MGUEEXPRSDCPGR003
DMTM	NOMINAL	DREAMTIME CAMERA SETUP	M3UEEXPRSDEMTMN001
		DREAMTIME CAMERA STOW	M3UEEXPRSDEMTMN002
		DREAMTIME FREZZI BATTERY CHARGING PROCEDURES	M3UEEXPRSDEMTMN003
	MALFUNCTION	DREAMTIME MALFUNCTION PROCEDURES	M3UEEXPRSDEMTMM001
	CORRECTIVE	DREAMTIME PIXEL FIX	M3UEEXPRSDEMTMC001
	REFERENCE	FIGURE 1. DREAMTIME CAMERA	M3UEEXPRSDEMTMR001
		FIGURE 2. DREAMTIME LENS	M3UEEXPRSDEMTMR002
		FIGURE 3. DREAMTIME CAMERA VIEWFINDER CONTROLS	M3UEEXPRSDEMTMR003
		FIGURE 4. DREAMTIME AUDIO & TIME CODE CONTROLS	M3UEEXPRSDEMTMR004
		FIGURE 5. DREAMTIME STATUS PANEL	M3UEEXPRSDEMTMR005
		SCENE 10. ORBITAL DIARY	M3UEEXPRSDEMTMR010
		SCENE 11. PHYSICAL EXERCISE AND OTHER ACTIVITIES	M3UEEXPRSDEMTMR011
		SCENE 12. OTHER SCENES AS REQUIRED	M3UEEXPRSDEMTMR012
		SCENE 13. ISS TOUR	M3UEEXPRSDEMTMR013
		SCENE 14. EARTH OBSERVATION	M3UEEXPRSDEMTMR014
		SCENE 15. EDUCATIONAL OPERATIONS - DOCUMENTARY	M3UEEXPRSDEMTMR015

		SCENE 16. EVA PREP AND OUT WINDOW SCENES	M3UEEXPRSDEMTMR016
		SCENE 17. EXPRESS RACK TRANSFER	M3UEEXPRSDEMTMR017

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 13 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
DMTM (CONT'D)	REFERENCE (CONT'D)	SCENE 6. PAYLOAD BAY DOOR OPENING	M3UEEXPRS DMTMR006
		SCENE 7. APPROACH TO ISS	M3UEEXP RSDMTMR007
		SCENE 8. HATCH OPENING	M3UEEXPRS DMTMR008
		SCENE 9. MPLM TRANSFER	M3UEEXPRS DMTMR009
	REFERENCE, CUE CARD	DREAMTIME BACK FOCUS CHART	M3UEEXPRS DMTMCC018
		DREAMTIME DOCUMENTARY ACTIVITIES CUE CARD	M3UEEXPRS DMTMCC015
		DREAMTIME EARTH OBS CUE CARD	M3UEEXPRS DMTMCC014
		DREAMTIME EDUCATIONAL ACTIVITIES CUE CARD	M3UEEXPRS DMTMCC011
		DREAMTIME MIDDECK CUE CARD	M3UEEXPRS DMTMCC012
		DREAMTIME SETTINGS CUE CARD	M3UEEXPRS DMTMCC017
		DREAMTIME TAPE AND BATTERY CUE CARD	M3UEEXPRS DMTMCC016
EXPPCS	NOMINAL	EXPPCS ACOUSTIC CLOSEOUT COVER INSTALLATION	MGUEEXP RSPCSN008
		EXPPCS ACOUSTIC CLOSEOUT COVER REMOVAL	MGUEEXP RSPCSN009
		EXPPCS ACTIVATION	MGUEEXP RSPCSN003
		EXPPCS COOLANT HOSE, CABLE, HD INSTALLATION	MGUEEXP RSPCSN002
		EXPPCS FILTER MAINTENANCE	MGUEEXP RSPCSN006
		EXPPCS FINAL DEACTIVATION	MGUEEXP RSPCSN004
		EXPPCS HD CHANGEOUT	MGUEEXP RSPCSN005

		EXPPCS REMOVAL	MGUEEXPRSPCSN007
		EXPPCS TEST SECTION INSTALLATION	MGUEEXPRSPCSN001
	NOMINAL, ALTERNATE	EXPPCS ALTERNATE FILTER MAINTENANCE	MGUEEXPRSPCSA003

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 14 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>EXPPCS</b> (CONT'D)	NOMINAL, ALTERNATE (CONT'D)	EXPPCS COMMUNICATION PATH SELECTION	MGUEEXPRSPCSA002
		EXPPCS MANUAL COMMANDING	MGUEEXPRSPCSA001
	MALFUNCTION	EXPPCS HARDWARE MALFUNCTIONS	MGUEEXPRSPCSM002
		EXPPCS SOFTWARE MALFUNCTIONS	MGUEEXPRSPCSM001
	REFERENCE	EXPPCS REFERENCE FIGURE 1	MGUEEXPRSPCSR001
		EXPPCS REFERENCE FIGURE 2	MGUEEXPRSPCSR002
		EXPPCS REFERENCE FIGURE 3	MGUEEXPRSPCSR003
		EXPPCS REFERENCE FIGURE 4	MGUEEXPRSPCSR004
		EXPPCS REFERENCE FIGURE 5	MGUEEXPRSPCSR005
		EXPPCS REFERENCE FIGURE 6	MGUEEXPRSPCSR006
		EXPPCS REFERENCE FIGURE 7	MGUEEXPRSPCSR007
		EXPPCS REFERENCE FIGURE 8	MGUEEXPRSPCSR008
		EXPPCS REFERENCE FIGURE 9	MGUEEXPRSPCSR009
		EXPPCS REFERENCE FIGURE 10	MGUEEXPRSPCSR010
		EXPPCS REFERENCE FIGURE 11	MGUEEXPRSPCSR011
		EXPPCS REFERENCE FIGURE 12	MGUEEXPRSPCSR012
		EXPPCS REFERENCE FIGURE 13	MGUEEXPRSPCSR013
		EXPPCS REFERENCE FIGURE 14	MGUEEXPRSPCSR014
		EXPPCS REFERENCE FIGURE 15	MGUEEXPRSPCSR015
		EXPPCS REFERENCE FIGURE 16	MGUEEXPRSPCSR016
		EXPPCS REFERENCE FIGURE 17	MGUEEXPRSPCSR017

		EXPPCS REFERENCE FIGURE 18	MGUEEXPRSPCSR018
		EXPPCS REFERENCE FIGURE 19	MGUEEXP RSPCSR019
		EXPPCS REFERENCE FIGURE 20	MGUEEXPRSPCSR020
		EXPPCS REFERENCE FIGURE 21	MGUEEXPRSPCSR021

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 15 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>EXPPCS (CONT'D)</b>	REFERENCE (CONT'D)	EXPPCS REFERENCE FIGURE 22	MGUEEXPRSPCSR022
		EXPPCS REFERENCE FIGURE 23	MGUEEXPRSPCSR023
		EXPPCS REFERENCE FIGURE 24	MGUEEXPRSPCSR024
		EXPPCS REFERENCE FIGURE 25	MGUEEXPRSPCSR025
		EXPPCS REFERENCE FIGURE 26	MGUEEXPRSPCSR026
		EXPPCS REFERENCE MATERIAL	MGUEEXPRSPCSR050
<b>EXPRESS</b>	ACTIVATION & CHECKOUT	RACK ACTIVATION/CHECKOUT	MGUEEXPRSAC001
	NOMINAL	CLEANING ISIS DRAWER SCREENS	MGUEEXPRSN012
		EXPRESS LAPTOP COMPUTER POWER DOWN	MGUEEXPRSN011
		EXPRESS LAPTOP COMPUTER POWER UP	MGUEEXPRSN010
		EXPRESS RACK #2 UMBILICAL CHANGEOUT POWER DOWN	M2UEEXPRSN005
		EXPRESS RACK #2 UMBILICAL CHANGEOUT POWER UP	M2UEEXPRSN004
		EXPRESS RACK 1 POWER DOWN	M2UEEXPRSN007
		EXPRESS RACK 1 POWER UP	M2UEEXPRSN006
		RACK DEACTIVATION	MGUEEXPRSN008
	NOMINAL, ALTERNATE	AAA FAN SPEED ADJUSTMENT	MGUEEXPRS015
		CHANGE EXPRESS MEMORY UNIT (EMU) DRIVE	MGUEEXPRS031
		CHANGE THERMAL CONTROL SENSOR LIMIT	MGUEEXPRS014
		EXPRESS LAPTOP COMPUTER (ELC) TO ELC FILE TRANSFER	MGUEEXPRS002

	EXPRESS LAPTOP COMPUTER (ELC) TO EXPRESS MEMORY UNIT (EMU) FILE TRANSFER	MGUEEXPRSA003
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 16 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>EXPRESS (CONT'D)</b>	NOMINAL, ALTERNATE (CONT'D)	EXPRESS LAPTOP COMPUTER (ELC) TO TRASH FILE TRANSFER	MGUEEXPRS004
		EXPRESS LAPTOP COMPUTER POWER UP (RS- 232)	MGUEEXPRS032
		EXPRESS MEMORY UNIT (EMU) TO EXPRESS LAPTOP COMPUTER (ELC) FILE TRANSFER	MGUEEXPRS005
		EXPRESS MEMORY UNIT (EMU) TO GROUND FILE TRANSFER	MGUEEXPRS008
		EXPRESS MEMORY UNIT (EMU) TO PAYLOAD EXPERIMENT PROCESSOR (PEP) FILE TRANSFER	MGUEEXPRS006
		EXPRESS MEMORY UNIT (EMU) TO RACK INTERFACE CONTROLLER (RIC) FILE TRANSFER	MGUEEXPRS007
		EXPRESS MEMORY UNIT (EMU) TO TRASH FILE TRANSFER	MGUEEXPRS009
		EXPRESS P/L RESOURCE CONFIGURATION RACK #1 (INCREMENT 2, 6A)	M2UEEXPRS001
		EXPRESS P/L RESOURCE CONFIGURATION RACK #1 (INCREMENT 2, 7A)	M2UEEXPRS003
		EXPRESS P/L RESOURCE CONFIGURATION RACK #2 (INCREMENT 2)	M2UEEXPRS002
		INDIVIDUAL WATER VALVE ADJUSTMENT	MGUEEXPRS001
		PAYOUT ANCILLARY DATA MODIFICATION	MGUEEXPRS019
		PAYOUT CONFIGURATION PARAMETER MODIFICATION	MGUEEXPRS017
		PAYOUT DISCRETE MODIFICATION	MGUEEXPRS018

	PAYLOAD EXECUTIVE PROCESSOR (PEP) TO EXPRESS MEMORY (EMU) FILE TRANSFER	MGUEEXRSA010
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 17 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>EXPRESS (CONT'D)</b>	NOMINAL, ALTERNATE (CONT'D)	PAYOUT TELEMETRY MODIFICATION	MGUEEXPRSA020
		RACK CONFIGURATION MODIFICATION	MGUEEXPRSA025
		RACK LAN CAM CONFIGURATION MODIFICATION	MGUEEXPRSA023
		RACK PORT CONTROL MODIFICATION	MGUEEXPRSA022
		RACK TELEMETRY CONFIGURATION MODIFICATION	MGUEEXPRSA024
		RACK TELEMETRY CONTROL MODIFICATION	MGUEEXPRSA021
		SELECT FLOW SENSOR FOR THERMAL CONTROL	MGUEEXPRSA013
		SELECT TEMPERATURE SENSOR FOR THERMAL CONTROL	MGUEEXPRSA012
		SSPCM ACTUAL CONDITION MODIFICATION	MGUEEXPRSA016
		SSPCM CPU SELECT	MGUEEXPRSA028
		SSPCM INITIAL CONDITION MODIFICATION	MGUEEXPRSA026
		SSPCM WATCHDOG TIMER	MGUEEXPRSA027
		THERMAL CONTROL DISABLED	MGUEEXPRSA030
		THERMAL CONTROL ENABLED	MGUEEXPRSA011
		WATER VALVE ADJUSTMENT BY CASE	MGUEEXPRSA029
	MALFUNCTION	ELC FAILS TO COMMUNICATE WITH RIC	MGUEEXPRSM002
		EXPRESS RACK APPLICATION FAILS TO LOAD OR LOCKS UP	MGUEEXPRSM001
	CORRECTIVE	EXPRESS RACK #1 CONFIGURATION AFTER MAIN TO AUXILARY POWER SWITCH	M2UEEXPRSC001

		EXPRESS RACK #2 CONFIGURATION AFTER MAIN TO AUXILARY POWER SWITCH	M2UEEXPRSC002
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 18 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>EXPRESS (CONT'D)</b>	CORRECTIVE (CONT'D)	EXPRESS RACK CLOSEOUT COVER (ABOVE BOTH DRAWERS) REMOVAL	MGUEEXPRSC020
		EXPRESS RACK CLOSEOUT COVER (ABOVE BOTH DRAWERS) REPLACEMENT	MGUEEXPRSC021
		EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REMOVAL (LEFT WHEN FACING RACK)	MGUEEXPRSC022
		EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REMOVAL (RIGHT WHEN FACING RACK)	MGUEEXPRSC024
		EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REPLACEMENT (LEFT WHEN FACING RACK)	MGUEEXPRSC023
		EXPRESS RACK CLOSEOUT COVER (ABOVE DRAWER) REPLACEMENT (RIGHT WHEN FACING RACK)	MGUEEXPRSC025
		EXPRESS RACK REAR ACCESS PANEL REMOVAL	MGUEEXPRSC016
		EXPRESS RACK REAR ACCESS PANEL REPLACEMENT	MGUEEXPRSC018
		EXPRESS RACK UPPER REAR ACCESS PANEL REMOVAL	MGUEEXPRSC017
		EXPRESS RACK UPPER REAR ACCESS PANEL REPLACEMENT	MGUEEXPRSC019
		INSTALL VENT CLOSEOUT PANEL	MGUEEXPRSC014
		MANUAL REBOOT OF RIC	MGUEEXPRSC012

		PAYLOAD DATA/POWER CABLE RECONFIGURATION	MGUEEXPRSC001
		RECONFIGURE EXPRESS RACK LAPTOP TO RS-232 FROM ETHERNET	MGUEEXPRSC002

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 19 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>EXPRESS (CONT'D)</b>	CORRECTIVE (CONT'D)	REMOVE VENT CLOSEOUT PANEL	MGUEEXPRSC015
		REPLACE AND CONFIGURE EXPRESS LAPTOP COMPUTER (ELC)	MGUEEXPRSC009
		REPLACE FAILED AAA	MGUEEXPRSC004
		REPLACE FAILED EMU	MGUEEXPRSC008
		REPLACE FAILED LIGHT BULB	MGUEEXPRSC010
		REPLACE FAILED PEHB	MGUEEXPRSC007
		REPLACE FAILED RIC	MGUEEXPRSC003
		REPLACE FAILED SAMS EE	MGUEEXPRSC005
		REPLACE FAILED SMOKE DETECTOR	MGUEEXPRSC013
		REPLACE FAILED SSPCM	MGUEEXPRSC006
		RESET TRIPPED SSPCM CHANNEL	MGUEEXPRSC011
	REFERENCE	AAA REFERENCE	MGUEEXPRSR006
		CLOSEUP VIEW OF THERMISTOR	MGUEEXPRSR010
		ELC CABLE CONNECTIONS	MGUEEXPRSR011
		EMU REFERENCE	MGUEEXPRSR002
		EXPRESS DISPLAYED MESSAGE LIST	MGUEEXPRSR009
		EXPRESS RACK IP ADDRESSES	M3UEEXPRSR001
		PEHB REFERENCE	MGUEEXPRSR003
		REFERENCE DATA	MGUEEXPRSR001
		RIC REFERENCE	MGUEEXPRSR005
		SAMS EE REFERENCE	MGUEEXPRSR007

		SD REFERENCE	MGUEEXPRS008
		SSPCM REFERENCE	MGUEEXPRS004
<b>HRD BBND</b>	NOMINAL	BONNER BALL NEUTRON DETECTOR HARD DRIVE STOW	MGUEHRFBBDN003

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 20 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
HRF BBND (CONT'D)	NOMINAL (CONT'D)	BONNER BALL NEUTRON DETECTOR MAINTENANCE	MGUEHRFBBDN002
		BONNER BALL NEUTRON DETECTOR OPERATIONS	MGUEHRFBBDN001
		BONNER BALL NEUTRON DETECTOR POWER OFF AND STOW	MGUEHRFBBDN004
		BONNER BALL NEUTRON DETECTOR RELOCATE	MGUEHRFBBDN006
		BONNER BALL NEUTRON DETECTOR STATUS CHECK	MGUEHRFBBDN005
	NOMINAL, ALTERNATE	BONNER BALL NEUTRON DETECTOR MAINTENANCE – NO DOWNLINK	MGUEHRFBNDNA002
		BONNER BALL NEUTRON DETECTOR MAINTENANCE – SPECIAL USE	MGUEHRFBNDNA001
	MALFUNCTION	BONNER BALL NEUTRON DETECTOR LIGHTS OUT	MGUEHRFBBDNM001
		BONNER BALL NEUTRON DETECTOR MALFUNCTION TABLE	MGUEHRFBBDNM002
	REFERENCE	FIGURE 1. ACCESSORY HARDWARE PLACEMENT	MGUEHRFBNDR001
		FIGURE 2. BBND INSTALLATION	MGUEHRFBNDR002
		FIGURE 3. BBND HARD DRIVE INSERTION	MGUEHRFBNDR003
		FIGURE 4. SECURING HRF POWER CONVERTER	MGUEHRFBNDR004
		FIGURE 5. BBND DEPLOYED CONFIGURATION IN LAB1D3	MGUEHRFBNDR005
		FIGURE 6. BBND CONNECTION BLOCK DIAGRAM	MGUEHRFBNDR006

HRF CSWR	ACTIVATION & CHECKOUT	HRF COMMON SOFTWARE CHECKOUT	MGUEHRFCSWRAC001
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 21 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>HRF CSWR (CONT'D)</b>	NOMINAL (CONT'D)	DISCONNECT HRF PC FROM HRF RACK	MGUEHRFCSWRN011
		DISCONNECT HRF PC FROM UOP	MGUEHRFCSWRN010
		GROUNDING ADAPTER INSTALLATION FOR HRF PC	MGUEHRFCSWRN002
		HARD DISK INSTALLATION	MGUEHRFCSWRN013
		HARD DISK REMOVAL	MGUEHRFCSWRN012
	REFERENCE	HRF COMMON SOFTWARE NOMINAL OPERATIONS	MGUEHRFCSWRR001
		LOG OFF HRF PC	MGUEHRFCSWRN004
		RELOCATE HRF PC TO ALTERNATE UOP	MGUEHRFCSWRN014
		SETUP HRF PC USING RACK POWER	MGUEHRFCSWRN001
		SETUP HRF PC USING UOP POWER	MGUEHRFCSWRN009
		SETUP HRF PC WITH ETHERNET CONNECTION	MGUEHRFCSWRN006
		SETUP HRF PC WITH RS-232	MGUEHRFCSWRN007
		SETUP HRF PC WITH RS-422	MGUEHRFCSWRN008
		SHUT DOWN HRF PC	MGUEHRFCSWRN005
	CORRECTIVE	COMMON SOFTWARE DOWNLINK OPERATIONS	MGUEHRFCSWRC001
		HARD DISK CHANGE-OUT	MGUEHRFCSWRC003
		RESTORE CONNECTION	MGUEHRFCSWRC002
	REFERENCE	FIGURE 1. HARD DISK LOCATION	MGUEHRFCSWRR002
<b>HRF DOSMAP</b>	NOMINAL	DOSMAP EXPERIMENT DEACTIVATION	M2UEHRFDOSMN008
		DOSMAP ON ORBIT GLASS INSPECTION	M2UEHRFDOSMN009
		DOSMAP SETUP AND ACTIVATION PART 1A	M2UEHRFDOSMN001

	DOSMAP SETUP AND ACTIVATION PART 1B	M2UEHRFDOSMN016
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 22 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
HRF DOSMAP (CONT'D)	NOMINAL (CONT'D)	DOSMAP SETUP AND ACTIVATION PART 2	M2UEHRFDOSMN004
		DOSTEL DATA DOWNLOAD	M2UEHRFDOSMN002
		DOSTEL MODE CHANGE	M2UEHRFDOSMN003
		MDU RECHARING AND CIU DATA DOWNLOAD	M2UEHRFDOSMN007
		SINGLE DOSTEL DATA DOWNLOAD	M2UEHRFDOSMN017
		TABLE 1 DOSIMETER PLACEMENT	M2UEHRFDOSMN010
		TABLE 2 MDU LOCATIONS	M2UEHRFDOSMN011
		TABLE 3 MDU LOCATIONS	M2UEHRFDOSMN012
		TABLE 4 MDU LOCATIONS	M2UEHRFDOSMN013
		TABLE 5 MDU LOCATIONS	M2UEHRFDOSMN014
		TABLE 6 MDU LOCATIONS	M2UEHRFDOSMN015
		TABLE 7 MDU LOCATIONS	M2UEHRFDOSMN018
		TLD DOWNLOAD	M2UEHRFDOSMN006
		TLD MANUAL READ-OUTS	M2UEHRFDOSMN005
	MALFUNCTION	BROKEN GLASS DETECTED FROM ON ORBIT GLASS INSPECTION	M2UEHRFDOSMM001
	CORRECTIVE	PILLE TLD MEMORY CARD INSERTION	M2UEHRFDOSMC005
		SET DATE OF TLD AUTOMATIC READOUT	M2UEHRFDOSMC003
		SET PERIOD OF TLD AUTOMATIC READOUT	M2UEHRFDOSMC002
		SET TIME OF TLD AUTOMATIC READOUT	M2UEHRFDOSMC004
		SETTING REAL TIME CLOCK ON TLD READER TO ONBOARD TIME	M2UEHRFDOSMC001

	REFERENCE	FIGURE 2 LOCATIONS OF RADIATION EXPERIMENTS	M2UEHRFDOSMR002
		FIGURE 3 FINAL CONFIGURATION OF RETENTION NET WITHIN HRF RACK	M2UEHRFDOSMR003

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 23 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>HRF GASMAP</b>	NOMINAL	GASMAP 30 DAY HEALTH CHECK	MGUEHRGASMN002
		GASMAP 90 DAY HEALTH CHECK	MGUEHRGASMN001
		GASMAP CONFIGURATION FOR HRF RACK	MGUEHRGASMN003
		GASMAP ROUTINE DATABASE BACKUP	MGUERHRGASMN004
	MALFUNCTION	GASMAP ERROR LIGHT ON	MGUEHRGASMM002
		GASMAP FLOW RATE OUT OF RANGE	MGUEHRGASMM001
		GASMAP SERVER DIAGNOSTIC	MGUEHRGASMM003
	CORRECTIVE	GASMAP AUTO CALIBRATION	MGUEHRGASMC001
		GASMAP DATABASE BACKUP	MGUEHRGASMC002
		GASMAP DATABASE RESTORE	MGUEHRGASMC003
	REFERENCE	GASMAP FILTER & CATHETER CHANGE-OUT	MGUEHRGASMC009
		GASMAP ROUGHING OPERATIONS	MGUEHRGASMC008
		FIGURE 1	MGUEHRGASMR001
		FIGURE 2 GASMAP EXPERIMENT CONFIGURATION	MGUEHRGASMR002
		FIGURE 3 GASMAP ANALYZER MODULE	MGUEHRGASMR003
		FIGURE 6	MGUEHRGASMR006
		FIGURE 7	MGUEHRGASMR007
		FIGURE 8	MGUEHRGASMR008
		FIGURE 9 CALIBRATION MODULE	MGUEHRGASMR009
		FIGURE 10 GASMAP PROGRAMMING CABLE	MGUEHRGASMR010
		FIGURE 12 GASMAP MALFUNCTION CONFIGURATION	MGUEHRGASMR012

		HRF GASMAP FRONT PANEL MENU TREE	MGUEHRGASMR014
<b>HRF H-REFLEX</b>	NOMINAL	EFFECTS OF ALTERED GRAVITY ON SPINAL CORD EXCITABILITY (ISS)	MGUEHRFHREFN001

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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 24 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
HRF H-REFLEX (CONT'D)	CORRECTIVE	H-REFLEX CORRECTIVE FOR HRTU LOW BATTERY LIGHT	MGUEHRFHREFC001
		H-REFLEX CORRECTIVE FOR UNACCEPTABLE DATA	MGUEHRFHREFC002
	REFERENCE	FIGURE 1 EXPERIMENT SETUP	MGUEHRFHREFR001
		FIGURE 2 DATA ACQUISITION CARD CABLE INSERTION	MGUEHRFHREFR002
		FIGURE 3 SUBJECT RECORDING ELECTRODE PLACEMENT	MGUEHRFHREFR003
		FIGURE 4 HRF H-REFLEX KNEE BRACE, SUBJECT ELECTRODE PLACEMENT	MGUEHRFHREFR004
		FIGURE 5 M AND H WAVE EXAMPLE	MGUEHRFHREFR005
HRF NTXN	NOMINAL	HRF INTERACTIONS DATA BACKUP PROCEDURE USING HRF PC	MGUEHRFNTXNN002
HRF NTXN (CONT'D)	NOMINAL (CONT'D)	HRF INTERACTIONS EXPERIMENT OPERATIONS	MGUEHRFNTXNN001
	NOMINAL, ALTERNATE	HRF INTERACTIONS DATA BACKUP PROCEDURE USING WORKSTATION	MGUEHRFNTXNA002
		HRF INTERACTIONS EXPERIMENT OPERATIONS USING WORKSTATION	MGUEHRFNTXNA001
HRF PUFF	NOMINAL	PUFF EXPERIMENT OPERATIONS	MGUEHRFPUFFN001
	NOMINAL, CUE CARD	HARDWARE RETRIEVAL CUE CARD	MGUEHRFPUFFCC001
	CORRECTIVE	PSC BATTERY CHANGEOUT	MGUEHRFPUFFC001
HRF RACK	NOMINAL	DOWNLINK VIDEO FROM HRF RACK	MGUEHRFRACKN004

		HRF RACK ACTIVATION	MGUEHRFRACKN001
		HRF RACK CHECKOUT	MGUEHRFRACKN002
		HRF RACK DEACTIVATION	MGUEHRFRACKN003
		HRF RACK DRAWERS ACCESS	MGUEHRFRACKN006

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 25 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
HRF RACK (CONT'D)	CORRECTIVE	MANUAL REBOOT OF RIC	MGUEHRFRACKC002
		SENSOR OUT OF LIMIT	MGUEHRFRACKC003
HRF RADS	NOMINAL	HRF RADIATION HARDWARE RECOVERY	M2UEHRFRADSN002
HRF RNLS	NOMINAL	RENAL STONE BARCODE READER OPERATIONS	MGUEHRFRNLSN004
		RENAL STONE FEMALE URINE COLLECTION DEVICE ADAPTATION	MGUEHRFRNLSN003
		RENAL STONE MALE URINE COLLECTION DEVICE ADAPTATION	MGUEHRFRNLSN002
		RENAL STONE RISK ASSESSMENT AND COUNTERMEASURE VALIDATION	MGUEHRFRNLSN001
	NOMINAL, ALTERNATE	RENAL STONE ALTERNATE PROCEDURE FOR LOGGING	MGUEHRFRNLSA001
HRF TORSO	NOMINAL	TORSO SETUP AND ACTIVATE PART 2	M2UEHRFTORSN002
	NOMINAL, ALTERNATE	TORSO TEPC DATA OPERATIONS USING HRF RACK TO POWER PC	M2UEHRFTORSA001
HRF TORSO (CONT'D)	MALFUNCTION	HRF PT DUAL SWITCH BOX LED INDICATOR ANOMALY	M2UEHRFTORSM002
		TORSO LED INDICATOR ANOMALY	M2UEHRFTORSM001
	REFERENCE	FIGURE 1 HARDWARE CONFIGURATION AT 5A.1	M2UEHRFTORSR001
		FIGURE 3 PHANTOM TORSO (THREE PIECES ASSEMBLED)	M2UEHRFTORSR003
		FIGURE 4 PHANTOM TORSO CONFIGURATION	M2UEHRFTORSR004
		FIGURE 5 PHANTOM TORSO DEPLOYED	M2UEHRFTORSR005

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HRF USND	NOMINAL	PHYSIOLOGICAL SYSTEM EVALUATION BY ULTRASOUND	MGUEHRFUSNDN003
		ULTRASOUND FUNCTIONAL TEST 1	MGUEHRFUSNDN001

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 26 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
HRF USND (CONT'D)	NOMINAL (CONT'D)	ULTRASOUND FUNCTIONAL TEST 2	MGUEHRFUSNDN002
	CORRECTIVE	ULTRASOUND OPERATIONS FOR DIAGNOSTICS SOFTWARE	MGUEHRFUSND002
		ULTRASOUND OPERATIONS FOR IMAGE COLLECTOR SOFTWARE	MGUEHRFUSND003
		ULTRASOUND OPERATIONS FOR USING A FAKE SCANHEAD	MGUEHRFUSND001
	REFERENCE	ULTRASOUND TOWER TEST IMAGE FIDELITY VERIFICATION	MGUEHRFUSNDR001
HRF WORK	NOMINAL	CONFIGURE WORKSTATION FOR END OF INCREMENT	MGUEHRFWORKN003
		WORKSTATION IN-FLIGHT SYSTEM FUNCTIONAL TEST	MGUEHRFWORKN001
		WORKSTATION NOMINAL DEACTIVATION	MGUEHRFWORKN004
		WORKSTATION NOMINAL SETUP	MGUEHRFWORKN002
	NOMINAL, ALTERNATE	WORKSTATION IN-FLIGHT SYSTEM FUNCTIONAL TEST - SPECIAL USE	MGUEHRFWORKA001
	MALFUNCTION	WORKSTATION HARD DRIVE FAILURE DIAGNOSTIC	MGUEHRFWORKM001
	CORRECTIVE	WORKSTATION DRIVE LETTER REASSIGNMENT	MGUEHRFWORKC002
		WORKSTATION HARD DISK DRIVE SWITCH TO BACKUP	MGUEHRFWORKC001
		WORKSTATION RELOAD FILES TO SCSI HARD DRIVE	MGUEHRFWORKC003

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	REFERENCE	FIGURE 2. WORKSTATION FUNCTIONAL SETUP CABLE CONNECTIONS	MGUEHRFWORKR001
		FIGURE 3. TEST DUAL-SCREEN OUTPUT CABLE CONNECTIONS	MGUEHRFWORKR002

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 27 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
HRF WORK (CONT'D)	REFERENCE (CONT'D)	FIGURE 5. WORKSTATION NOMINAL SETUP CABLE CONNECTIONS	MGUEHRFWORKR003
		FIGURE 6. WORKSTATION FUNCTIONAL SETUP SPECIAL USE CABLE CONNECTIONS	MGUEHRFWORKR004
MAMS	NOMINAL	CLEANING MAMS SCREENS	MGUEEXPRSMAMSN003
		MAMS ACTIVATION	MGUEEXPRSMAMSN001
		MAMS DEACTIVATION	MGUEEXPRSMAMSN002
	REFERENCE	REFERENCE DATA	MGUEEXPRSMAMSR001
PCG-BAG-DCAM	ACTIVATION & CHECKOUT	BAG-PCAM ACTIVATION	MGUEPCAMAC001
	NOMINAL	PCG BAG DCAM TRANSFER	MGUEDCAMN001
	REFERENCE	FIGURE 1: PCG BAG DCAM	MGUEDCAMR001
PCG-BAG-PCAM	NOMINAL	BAG-PCAM DEACTIVATION	MGUEPCAMN002
		PCG BAG-PCAM TRANSFER	MGUEPCAMN003
	REFERENCE	FIGURE 1: SINGLE BAG-PCAM UNIT	MGUEPCAMR001
PCG-BAG-VDA2	ACTIVATION & CHECKOUT	BAG-VDA-2 ACTIVATION	MGUEVDA2AC001
	NOMINAL	BAG-VDA-2 DEACTIVATION	MGUEVDA2N002
		PCG BAG VDA-2 TRANSFER	MGUEVDA2N003
	REFERENCE	FIGURE 1: VDA-2 TRAY	MGUEVDA2R001
		FIGURE 2: VDA-2 GANDING MECHANISMS	MGUEVDA2R002
PCG-BAG-VDA2 (CONT'D)	REFERENCE (CONT'D)	FIGURE 3: VDA-2 TORQUE DRIVER	MGUEVDA2R003
		FIGURE 4: TORQUE DRIVER INSIDE PCG-STES	MGUEVDA2R004

<b>PCG-STES</b>	ACTIVATION & CHECKOUT	PCG STES PCAM ACTIVATION	MGUEEXPRSSTESAC005
		PCG STES VDA-2 ACTIVATION	MGUEEXPRSSTESAC002
	NOMINAL	PCG STES PCAM DEACTIVATION	MGUEEXPRSSTESN006

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 28 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>PCG-STES (CONT'D)</b>	NOMINAL (CONT'D)	PCG STES VDA-2 DEACTIVATION	MGUEEXPRSSTESN004
		STES STATUS CHECK (MONITORING)	MGUEEXPRSSTESN001
	NOMINAL, ALTERNATE	PCG STES ACTIVATION (PWR UP)	MGUEEXPRSSTESA005
		PCG STES DEACTIVATION (PWR DOWN)	MGUEEXPRSSTESA006
		RESET STES CMD_TEMP	MGUEEXPRSSTESA004
		STES POWER CYCLE	MGUEEXPRSSTESA003
		STES RESET	MGUEEXPRSSTESA001
		STES THERMISTOR RECONFIGURATION	MGUEEXPRSSTESA002
	MALFUNCTION	STES LCD BLANK	MGUEEXPRSSTESM001
		STES LCD FLASHING	MGUEEXPRSSTESM003
		STES PUSHBUTTON LIGHTS BLINKING	MGUEEXPRSSTESM002
	REFERENCE	BATTERY LOW ERROR	MGUEEXPRSSTESR023
		DIAGNOSTIC DATA PAGE 1 SCREEN	MGUEEXPRSSTESR005
		DIAGNOSTIC DATA PAGE 2 SCREEN	MGUEEXPRSSTESR006
		EEPROM FILLED ERROR	MGUEEXPRSSTESR025
		EEPROM LOG ERROR	MGUEEXPRSSTESR026
		EEPROM NEARLY FILLED ERROR	MGUEEXPRSSTESR024
		EEPROM READ/WRITE ERROR	MGUEEXPRSSTESR027
		EXHAUST TEMP > 60 DEG C ERROR	MGUEEXPRSSTESR028
		FAN CURRENT OFF NOMINAL ERROR	MGUEEXPRSSTESR018
		FIFTH INITIALIZATION SCREEN	MGUEEXPRSSTESR002

		FIGURE 1: PCG STES INTERFACES	MGUEEXPRSSTESR030
		FIGURE 2: VDA-2 TRAY	MGUEEXPRSSTESR031
		FIGURE 3: VDA-2 GANGING MECHANISMS	MGUEEXPRSSTESR032

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 29 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>STES (CONT'D)</b>	REFERENCE (CONT'D)	FIGURE 4: PCAMS INSIDE AN STES	MGUEEXPRSSTER033
		FIGURE 5: INTERNAL STES	MGUEEXPRSSTER034
		FUZZY CONTROL ERROR	MGUEEXPRSSTESR021
		MAIN MENU SCREEN	MGUEEXPRSSTESR003
		NO THERMISTORS/TCS OFF ERROR	MGUEEXPRSSTESR017
		PCG STES ACRONYMS/ ABBREVIATIONS	MGUEEXPRSSTESR001
		PCG STES MENU FLOW CHART	MGUEEXPRSSTESR029
		POWER ON RESET ERROR	MGUEEXPRSSTESR012
		QB CHANGE ≠ 10 ERROR (MPV LIBRARY LISTING IS: QB CHANGE >/_ 10 ERROR)	MGUEEXPRSSTESR022
		QB/ACT CUR OUT RANGE ERROR	MGUEEXPRSSTESR020
		RESET STES MENU SCREEN	MGUEEXPRSSTESR009
		RESETTING FUZZY ELECTRONICS MENU SCREEN	MGUEEXPRSSTESR010
		SELECT THERMISTORS/ENABLE TCS MENU SCREEN	MGUEEXPRSSTESR007
		SET COMMANDED TEMPERATURE MENU SCREEN	MGUEEXPRSSTESR008
		SET SAMPLE RATE MENU SCREEN	MGUEEXPRSSTESR004
		TEMP EXCURSION ERROR	MGUEEXPRSSTESR016
		TEMP OUT OF RANGE ERROR	MGUEEXPRSSTESR013
		THERMAL FUSE OPEN ERROR	MGUEEXPRSSTESR019
		THERMISTOR DROPPED ERROR	MGUEEXPRSSTESR015

		THERMISTOR FAILURE ERROR	MGUEEXPRSSTESR014
		VIEW STATUS/KEYPAD LOCK MENU SCREEN	MGUEEXPRSSTESR011
		CHECKING TEMPERATURE OF TLD READER	MGULPDSN011

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 30 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>PDS (CONT'D)</b>	NOMINAL	ON ORBIT GLASS INSPECTION	MGULPDSN016
		PLACEMENT OF TLD-PNTD HOLDER ASSEMBLIES IN ISS LOCATIONS	MGULPDSN005
		TESTING TLD READER	MGULPDSN010
		TLD AUTOMATIC READOUT	MGULPDSN004
		TLD MANUAL READOUT	MGULPDSN003
		TLD READER ACTIVATION	MGULPDSN001
		TLD READER CLOCK CHANGEOUT	MGULPDSN008
		TLD READER PILLE TLD MEMORY CARD CHANGEOUT	MGULPDSN007
	NOMINAL, ALTERNATE	MEASUREMENT WITHOUT PILLE TLD MEMORY CARD	MGULPDSA002
		SETTING REAL TIME CLOCK ON TLD READER TO ONBOARD TIME	MGULPDSA007
		TLD READER ACTIVATION WITHOUT PILLE TLD MEMORY CARD	MGULPDSA006
	MALFUNCTION	'ERR_CLK' MESSAGE ON DISPLAY	MGULPDSM014
		'TIME_ERR' MESSAGE ON DISPLAY	MGULPDSM008
		BROKEN GLASS DETECTED FROM ON ORBIT GLASS INSPECTION	MGULPDSM015
		D=N:NNEN' BLINKS ON TLD READER DISPLAY AFTER MEASUREMENT	MGULPDSM001
		ERR_BGND' MESSAGE ON DISPLAY	MGULPDSM010
		ERR_CARD' MESSAGE ON DISPLAY	MGULPDSM004

		ERR_CLK' MESSAGE ON DISPLAY	MGULPDSM014
		ERR_FULL' MESSAGE ON DISPLAY	MGULPDSM003
		ERR_HEAT' MESSAGE ON DISPLAY	MGULPDSM005

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 31 of 39)

PAYOUT	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
PDS (CONT'D)	MALFUNCTION (CONT'D)	ERR_IDNT' MESSAGE ON DISPLAY	MGULPDSM013
		ERR_OVER' MESSAGE ON DISPLAY	MGULPDSM009
		ERR_SENS' MESSAGE ON DISPLAY	MGULPDSM012
		ERR_STOP' MESSAGE ON DISPLAY	MGULPDSM011
		ID:?????' MESSAGE ON DISPLAY	MGULPDSM002
		INS_KEY!' MESSAGE ON DISPLAY	MGULPDSM006
		TIME_ERR' MESSAGE ON DISPLAY	M2ULPDSM008
		WRN_FBNN' MESSAGE ON DISPLAY	MGULPDSM007
	CORRECTIVE	CHANGING TLD READER FUSE	MGULPDSC003
		RECALLING DATA FROM PILLE TLD MEMORY CARD	MGULPDSC001
	REFERENCE	CLOCK, SPARE	MGULPDSR019
		DATA CABLE	MGULPDSR012
		FUNCTIONS OF TLD READER MENU AND SUBMENU ITEMS	MGULPDSR004
		FUSE, SPARE	MGULPDSR020
		PASSIVE DOSIMETER SYSTEM OPERATIONS	MGULPDSR003
		PILLE TLD MEMORD CARD	MGULPDSR009
		PILLE TLD MEMORY CARD BAG	MGULPDSR010
		PNTD	MGULPDSR015
		PNTD SUPPLY/RETURN KIT	MGULPDSR016
		POWER CABLE	MGULPDSR011
		TLD	MGULPDSR018

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	TLD KIT 2	MGULPDSR017
	TLD READER ERROR AND WARNING CODES	MGULPDSR005
	TLD READER KIT	MGULPDSR014

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 32 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>PDS (CONT'D)</b>	REFERENCE (CONT'D)	TLD READER, FRONT	MGULPDSR008
		TLD READER, LEFT SIDE	MGULPDSR007
		TLD READER, RIGHT SIDE	MGULPDSR013
		TLD-PNTD HOLDER DRAWING	MGULPDSR006
		TLD-PNTD HOLDER ASSEMBLY LOCATIONS	MGULPDSR050
		TLD-PNTD HOLDER DRAWING	MGULPDSR006
	REFERENCE, CUE CARD	TLD READER MENUS AND SUBMENUS	MGULPDSCC001
<b>SAMS II</b>	NOMINAL	CLEANING ICU DRAWER SCREENS	MGUEEXPRSSAMSN011
		CLEANING RTS DRAWER SCREENS	MGUEEXPRSSAMSN012
		ICU DRAWER RELOCATION	MGUEEXPRSSAMSN013
		INITIAL RTS DRAWER SETUP	MGUEEXPRSSAMSN015
		INTERIM CONTROL UNIT DRAWER ACTIVATION	MGUEEXPRSSAMSN005
		INTERIM CONTROL UNIT DRAWER DEACTIVATION	MGUEEXPRSSAMSN007
		INTERIM CONTROL UNIT DRAWER SETUP	MGUEEXPRSSAMSN001
		MOUNTING A STOWED SENSOR IN AN ARIS EXPRESS RACK	MGUEEXPRSSAMSN009
		REMOTE TRIAXIAL SYSTEM DRAWER ACTIVATION	MGUEEXPRSSAMSN006
		REMOTE TRIAXIAL SYSTEM DRAWER DEACTIVATION	MGUEEXPRSSAMSN008
		REMOVING A SENSOR IN AN ARIS EXPRESS RACK	MGUEEXPRSSAMSN010

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		RTS DRAWER RELOCATION	MGUEEXPRSSAMSN014
		RTS DRAWER SETUP FOR ONE EXTERNAL AND ONE INTERNAL SENSOR	MGUEEXPRSSAMSN004

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 33 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
SAMS II (CONT'D)	NOMINAL (CONT'D)	RTS DRAWER SETUP FOR TWO EXTERNAL SENSORS	MGUEEXPRSSAMSN002
		RTS DRAWER SETUP FOR TWO INTERNAL SENSORS	MGUEEXPRSSAMSN003
	NOMINAL, ALTERNATE	COMMUNICATION CHECKOUT	MGUEEXPRSSAMSA001
		INTERIM CONTROL UNIT DRAWER ACTIVATION GROUND SUPPORTED	MGUEEXPRSSAMSA006
		SE DATA ACQUISITION	MGUEEXPRSSAMSA005
		STATUS CHECK	MGUEEXPRSSAMSA002
		SYSTEMS OPERATIONS	MGUEEXPRSSAMSA003
	MALFUNCTION	SAMS MP001 DWR PWR CIRCUIT BREAKER TRIPPED AT RTS/D ACTIVATION	MGUEEXPRSSAMSM001
		SAMS MP002 NO POWER LIGHT AT RTS/D ACTIVATION	MGUEEXPRSSAMSM002
		SAMS MP003 POWER CIRCUIT BREAKER TRIPPED AT ICU/D ACTIVATION	MGUEEXPRSSAMSM003
		SAMS MP004 NO POWER LIGHT AT ICU/D ACTIVATION	MGUEEXPRSSAMSM004
	CORRECTIVE	HARD DRIVE REPLACEMENT	MGUEEXPRSSAMSC001
		ICU/D FAN REPLACEMENT	MGUEEXPRSSAMSC005
		LAPTOP REPLACEMENT	MGUEEXPRSSAMSC002
		PCB REPLACEMENT	MGUEEXPRSSAMSC003
		RTS/D FAN REPLACEMENT	MGUEEXPRSSAMSC006
		SAMS II ICU LAPTOP REBOOT	MGUEEXPRSSAMSC007

		TEMPERATURE SENSOR REPLACEMENT	MGUEEXPRSSAMSC004
	REFERENCE	EXAMPLE CONFIGURATION OF RTS/D SES	MGUEEXPRSSAMSR011
		FAN	MGUEEXPRSSAMSR012

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 34 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
SAMS II (CONT'D)	REFERENCE (CONT'D)	FRONT OF AN RTS DRAWER	MGUEEXPRSSAMSR010
		FRONT OF ICU DRAWER	MGUEEXPRSSAMSR007
		FRONT VIEW OF AN EE	MGUEEXPRSSAMSR013
		ISIS DRAWER HANDLE AND SLIDE LID	MGUEEXPRSSAMSR004
		POWER CONTROL BOX	MGUEEXPRSSAMSR008
		SAMS II DRAWER LOCATION TABLE	MGUEEXPRSSAMSR003
		SAMS II HARDWARE USERS LIST	MGUEEXPRSSAMSR002
		SAMS II OVERVIEW	MGUEEXPRSSAMSR001
		TEMPERATURE SENSOR	MGUEEXPRSSAMSR009
		TOP VIEW OF ICU/D1 WITH LAPTOP	MGUEEXPRSSAMSR006
		TOP VIEW OF ICU/D1 WITH NO LAPTOP	MGUEEXPRSSAMSR005
		VIEW OF AN SE	MGUEEXPRSSAMSR014
TV OPS	NOMINAL	ADVASC POST-ACTIVATION CAMERA SETUP	MGUTEXPRSASCN001
		ARIS ICE CHANGE POWER UMBILICAL ESC CAMERA SETUP	M3UTARISICEN015
		ARIS ICE CHANGE POWER UMBILICAL VIDEO CAMERA SETUP	M3UTARISICEN016
		ARIS ICE FULL SWAY SPACE ESC CAMERA SETUP	M3UTARISICEN017
		ARIS ICE FULL SWAY SPACE VIDEO CAMERA SETUP	M3UTARISICEN018
		ARIS ICE HAMMER TEST CAMERA SETUP	M3UTARISICEN012
		ARIS ICE LAPTOP RACK INSTALLATION CAMERA SETUP	M3UTARISICEN020

	ARIS ICE MRB INSTALLATION ESC CAMERA SETUP	M3UTARISICEN010
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PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
TV OPS (CONT'D)	NOMINAL (CONT'D)	ARIS ICE MRB INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN011
		ARIS ICE POP CONFIGURATION ESC CAMERA SETUP	M3UTARISICEN013
		ARIS ICE PUSH-OFF TESTS 1 AND 2 CAMERA SETUP	M3UTARISICEN023
		ARIS ICE PUSH-OFF TESTS 3 AND 4 CAMERA SETUP	M3UTARISICEN024
		ARIS ICE RACK SHAKE INSTALLATION ESC CAMERA SETUP	M3UTARISICEN021
		ARIS ICE RACK SHAKE INSTALLATION VIDEO CAMERA SETUP	M2UTARISICEN022
		ARIS ICE RECONFIGURE FOR POP CONTROL VIDEO CAMERA SETUP	M3UTARISICEN014
		ARIS ICE REDUCED SWAY SPACE VIDEO CAMERA SETUP	M3UTARISICEN007
		ARIS ICE SAMS II LOWER FITTING INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN002
		ARIS ICE SAMS II LOWER FITTING, CABLING AND SE INSTALLATION ESC CAMERA SETUP	M3UTARISICEN001
		ARIS ICE SAMS II LOWER FITTING, INSTALLATION VIDEO CAMERA SETUP	M2UTARISICEN002
		ARIS ICE SAMS II UPPER FITTING INSTALLATION ESC CAMERA SETUP	M3UTARISICEN003
		ARIS ICE SAMS II UPPER FITTING INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN004
		ARIS ICE SHAKER REORIENTATION	M3UTARISICEN025

		ARIS ICE SNUBBER ASSEMBLY, LAPTOP AND STATION SHAKE INSTALLATION ESC CAMERA SETUP	M3UTARISICEN008
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PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
TV OPS (CONT'D)	NOMINAL (CONT'D)	ARIS ICE SNUBBER CUP TEST CAMERA SETUP	M2UTARISICEN019
		ARIS ICE STATION SHAKE INSTALLATION VIDEO CAMERA SETUP	M3UTARISICEN009
		BONNER BALL NEUTRON DETECTOR CAMERA SETUP	M2UTHRFBBNDN001
		BSTC CAMERA SETUP	M3UTEXPRSBSTCN001
		BTR CAMERA SETUP	M3UTEXPRSBTRN001
		CGBA OPERATIONS DOCUMENTATION CAMERA SETUP	MGUTEXPRSCGBAN001
		CPCG-H EXPERIMENT OPERATIONS CAMERA SETUP	M2UTEXPRSCPCTN001
		DCPCG SETUP CAMERA SETUP	M3UTEXPRSDCPGN001
		DCPCG SHUTDOWN CAMERA SETUP	M3UTEXPRSDCPGN002
		DOSMAP CAMERA SETUP	M2UTHRFDOSMN001
		EXPPCS CAMERA SETUP	M2UTEXPRSPCSN001
		GASMAP CAMERA SETUP	M3UTHRGASMN001
		H-REFLEX CAMERA SETUP	M3UTHRFHREFN001
		HRF RACK CAMERA SETUP	M2UTHRFHRFN001
		INTERACTIONS CAMERA SETUP	MGUTHRFNTXNN001
		PARK POSITION CAMERA SETUP	MGUTLABPARKN001
		PCG-BAG CAMERA SETUP	MGUTLABBAGN001
		PCG-STES INSTALL/DEINSTALL CAMERA SETUP	M2UTLABSTESN001
		PCG-STES-DCAM ACTIVATION/DEACTIVATION CAMERA SETUP	MGUTLABSTESN004

	PCG-STES-PCAM ACTIVATION/DEACTIVATION CAMERA SETUP	MGUTLABSTESN002
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 37 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>TV OPS (CONT'D)</b>	NOMINAL (CONT'D)	PCG-STES-VDA-2 ACTIVATION/DEACTIVATION CAMERA SETUP	MGUTLABSTESN003
		PERS VIDEO CAMERA SETUP	MGUTPERSON002
		POSSUM CAMERA SETUP	MGUTLABPOSSN001
		PUFF CAMERA SETUP	M3UTHRFPUFFN001
		QTCMA1 CAMERA SETUP	M3UTEXPRSBSTCN004
		SAMS II ICU INITIAL SETUP AND ACTIVATION CAMERA SETUP	M2UTEXPRSSAMSN001
		SAMSII DRAWER RELOCATION CAMERA SETUP	M3UTEXPRSSAMSN001
		SAMSII SE DEPLOYMENT/RELOCATION CAMERA SETUP	MGUTEXPRSSAMSN001
		TORSO CAMERA SETUP	M2UTHRFTORSN001
		ULTRASOUND CAMERA SETUP	M3UTHRFUSNDN001
<b>PROC SUPPORT (LOGFILES)</b>	APCF	APCF ACTIVATION/DEACTIVATION LOG	M3UEEXPRSAPCFL001
		APCF STATUS CHECK LOG	M3UEEXPRSAPCFL002
	ASC	ADVASC POWER CYCLE LOG	MGUEEXPRSASCL002
		ADVASC STATUS MONITORING LOG	MGUEEXPRSASCL001
	ARIS	ARIS HYPEREXTENSION TEST LOG	MGUEEXPRSARISL001
		ARIS RANGE TEST LOG	MGUEEXPRSARISL002
	ARIS ICE	ICE HYPEREXTENSION TEST LOG	MGUEEXPRSICEL002
		TEST LOG	M2UEEXPRSICEL001
	BSTC	BSTC Analyze Media Electronic Log File	MGUEEXPRSBSTCL001
	CGBA	CGBA CLOGGED INLET CLEANING LOG	MGUEEXPRSCGBAL002

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		CGBA POWER LOG	MGUEEXPRSCGBAL001
		CGBA TEMP LOG	MGUEEXPRSCGBAL003

TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 38 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>PROC SUPPORT (LOG FILES) (CONT'D)</b>	CPCG	TABLE 1: MESSAGE LOG LIST	MGUEEXPRSCPCGL001
		TABLE 2: DIAGNOSTIC DATA	MGUEEXPRSCPCGL002
		TABLE 3: EEPROM LOGGER STATUS	MGUEEXPRSCPCGL003
		TABLE 4: RECOVERY DATA LOG	MGUEEXPRSCPCGL004
		TABLE 5: THERMISTORS REQUESTED	MGUEEXPRSCPCGL005
		TABLE 6: TIME AND TEMPERATURE LOG FILE	MGUEEXPRSCPCGL006
		TABLE 7: TIME, TEMPERATURE AND SAMPLE RATES	MGUEEXPRSCPCGL007
		TABLE 8: CRIM-M FILTER REPLACEMENT LOG	MGUEEXPRSCPCGL008
		TABLE 9: CRIM-M FILTER REPLACEMENT LOG	MGUEEXPRSCPCGL009
	DCPCG	TABLE 1: MESSAGE LOG LIST	MGUEEXPRSDCPGL001
		TABLE 2: DIAGNOSTIC DATA	MGUEEXPRSDCPGL002
		TABLE 3: EEPROM LOGGER STATUS/ USER EVENT	MGUEEXPRSDCPGL003
		TABLE 4: RECOVERY DATA LOG	MGUEEXPRSDCPGL004
		TABLE 5: THERMISTORS REQUESTED	MGUEEXPRSDCPGL005
		TABLE 6: TIME, TEMPERATURE, AND SAMPLE RATES	MGUEEXPRSDCPGL006
		TABLE 7: CRIM-M RESET LOG FILE WITH BANDWIDTH	MGUEEXPRSDCPGL007
		TABLE 8: CRIM-M FILTER REPLACEMENT LOG	MGUEEXP RSDCPGL008
	DMTM	DREAMTIME TAPE LOG	M3UEEXPRS DMTML001
	EXPCS	EXPPCS HD INSTALLATION GMT/REMOVAL GMT	MGUEEXPRSPCSL001

	GASMAP	GAS CALIBRATION CHECK (L-4)	MGUEHRFGASML004
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TABLE 4-VI PAYLOAD PROCEDURE STAND-ALONE AND RE-LOAD SUMMARY (Sheet 39 of 39)

PAYLOAD	PROCEDURE TYPE	PROCEDURE TITLE	FILENAME
<b>PROC SUPPORT (LOG FILES) (CONT'D)</b>	GASMAP (CONT'D)	GASMAP ANALYZER MODULE FUNCTIONAL CHECK (L-2)	MGUEHRFGASML002
		GASMAP CALIBRATION MODULE PRESSURE CHECK (L-3)	MGUEHRFGASML003
		GASMAP ERROR MESSAGES (L-6)	MGUEHRFGASML006
		GASMAP IPV AND IPC LOG (L-5)	MGUEHRFGASML005
		GASMAP POWER DATE AND TIME LOG (L-1)	MGUEHRFGASML001
	PDS	ON BOARD TLD MEASUREMENT	MGULPDSL001
	TORS	TORSO LOG FILE	M2UEHRFTORSL001
	WORK	WORKSTATION ANOMALY LOG	MGUEHRFWORKL001
	PCG-BAG-PCAM	BAG-PCAM LOG	MGUEPCAML001
	PCG-VDA-2	bag-vda-2 log	MGUEVDA2L001
	STES	CMD_TEMP AND SAMPLE RATE LOG	MGUEEXPRSSTESL003
		DIAGNOSTIC DATA PAGES LOG	MGUEEXPRSSTESL005
		EEPROM LOG	MGUEEXPRSSTESL008
		EEPROM LOG	MGUEEXPRSSTESL011
		MESSAGE LOG LIST	MGUEEXPRSSTESL004
		MET AND STES TIME/TEMP LOG	MGUEEXPRSSTESL012
		MGUEEXPRSSTESM002 RECOVERY DATA LOG	MGUEEXPRSSTESL010
		STES PUSHBUTTON LIGHTS BLINKING RECOVERY DATA LOG	MGUEEXPRSSTESL007
		STES STATUS LOG	MGUEEXPRSSTESL001
		STES TEMP LOG	MGUEEXPRSSTESL002

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		TRAY ID LOG	MGUEEXPRSSTESL009
		VDA-2 TRAY ID LOG	MGUEEXPRSSTESL006
	STCK	DAILY STATUS CHECK MATRIX	M2UESTCKN001

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## **SECTION 5, DESCENT CONTENTS TABLES**

Table 5-I identifies the physical contents of the U.S. PODF for descent.

**TABLE 5-I SUMMARY CHART FOR DESCENT**

NOMENCLATURE (PART NO.)	CONTENTS	QTY	SPEC REF
PODF SKG32999102-342	STAND-ALONE MPV LOAD (CD) 7A BACK-UP PODF DISK 1 OF 2	1	HW
	MPV RE-LOAD (CD) 7A BACK-UP PODF DISK 2 OF 2	1	HW
	CUE CARDS (TOTAL) PDS STCK	3 2 1	MISC

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